

HOPATCONG HIGH SCHOOL

Curriculum Handbook

2024-2025



HOPATCONG HIGH SCHOOL

PO Box 1029, Windsor Avenue

Hopatcong, New Jersey 07843

Main Number: 973.398.8803 **Fax:** 973.398.9048

Guidance: 973.770.8861 **Guidance Fax:** 973.398.6446

www.hopatcongschools.org

All courses are offered without regard to race, color, national origin, sex, gender, gender identity or disability.

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INTRODUCTION

This curriculum handbook is designed to assist students in their academic planning. Students should consult with parents/guardians, teachers and school counselors before determining their program for next year.

Factors to be considered include:

- Requirements for high school graduation
- Career plans
- Course descriptions
- Prerequisites
- Previous credit

Each course counts towards the student's grade point average (GPA) and class rank. Class rank is determined by grade point average. Grades in Honors and AP courses are given added value.

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HONORS/COURSE LEVEL CRITERIA

FROM A COLLEGE PREPARATORY (CP) LEVEL COURSE

To register for an Honors course, students enrolled in CP level courses must complete an honors application, which includes teacher recommendation. The honors application will be given to students during their scheduling meeting with their school counselor. Applications will be reviewed by their school counselors and the principal for final decisions. School counselors will do an initial screening and students should submit their application by March 31 of the current school year. To be eligible, candidates must exhibit high motivation and academic prowess within the given content area. An A- is recommended and a teacher recommendation is also recommended.

NOTE: Honors courses may have mandatory summer assignments.

TO APPLY FOR HONORS COURSES:

To be eligible for Honors, candidates must, at the time of scheduling, have a minimum of a “B average in the appropriate subject area. The candidates will maintain a minimum “B” average for the remainder of the school year. To register for an Honors course, students not currently enrolled in advanced level courses must complete an application, which includes teacher recommendation.

CONTINUATION IN AN HONORS COURSE:

To be eligible for continuation in an Honors course, a student must, at the time of scheduling, have a minimum grade level of “B” in their current Honors course. The candidate will maintain a “B” average for the remainder of the school year or move to the college preparatory level for next year.

ADVANCED PLACEMENT (AP) SELECTION CRITERIA:

If a prerequisite course is required, the student should demonstrate his or her readiness by achieving at least a B in the course. AP courses may require a summer assignment. Students enrolled in AP courses are highly encouraged to take the AP exam.

LEVEL CHANGES AND WITHDRAWALS:

Level changes will be determined on a case by case basis. Withdrawals occur only within the add/drop period (i.e. the first two weeks of the semester). If a course is dropped after the add/drop period, students must have parent/guardian permission, and the course will appear on the transcript as a WP (withdraw/pass) or WF (withdraw/fail).

HIGH SCHOOL SCHEDULING TIMELINE

January – March: Scheduling for all students entering grades 9-12 next year

May 1: Deadline to change your course requests.

Schedules will be available via PowerSchool by the end of the school year.

Scheduling errors and elective choices will be adjusted only during the first two weeks of school.

NOTE: No specific requests for a teacher, lunch periods, or course sections will be honored.

HHS GRADUATION REQUIREMENTS

Class of: _____

Name: _____ / = Passed O = Failed W = Withdraw Ø = Passed (2nd time)

COURSE	GRADE 8	GRADE 9	GRADE 10	GRADE 11	GRADE 12
English – 4 years		English 1	English 2	English 3	English 4
Math - 3 years (Algebra 1, Geometry, Algebra 2 - or equivalent)					
Science - 3 years (Biology, 2 years lab)					
History- 3 years (US 1, US 2, World)					
PE/Health – 4 years		PE/Health 9	PE/Dr. Ed 10	PE/Health 11	PE/Health 12
World Language – 1 year					
Financial Literacy – 1 semester					
Visual or Performing Art - 1 year					
21st Century Life & Careers – 1 year					
Electives (other)					
State Assessment (Demonstrate Proficiency)	ELA	ELA	ELA	ELA	ELA
	Math	Math	Math	Math	Math
TOTAL Credits (min = 120)	/	/	/	/	/

NOTES:

The following courses fulfill Elective requirements:
***** Each Course May Satisfy Only One Requirement*****

VISUAL & PERFORMING ARTS or 21st CENTURY LIFE & CAREERS

Art (9, 10, 11, 12)

AP Art History (9, 10, 11, 12)

AP Music Theory (10, 11, 12)

Band (semester) (9, 10, 11, 12)

Chorus (semester) (9, 10, 11, 12)

Cosmetology 1 (two periods) (9, 10)

Cosmetology 2 (two periods) (10, 11)

Cosmetology 3/Adv. (four periods) (11, 12)

Graphic Design* (semester) (9, 10, 11, 12)

Photography (semester) (9, 10, 11, 12)

Piano (semester) (9, 10, 11, 12)

Sculpture (9, 10, 11, 12)

TV/Video Production* (9, 10, 11, 12)

Woodshop (semester) (9, 10, 11, 12)

21st CENTURY LIFE & CAREERS ONLY

Advanced Child Development* (11, 12)

AP Computer Science-Princ. (10, 11, 12)

Climatology & Human Behavior (semester) (11, 12)

Computer Science 101 (9, 10, 11, 12)

Concepts of Gaming (semester) (9, 10, 11, 12)

Creative Writing (semester) (9, 10, 11, 12)

Criminal Justice* (10, 11, 12)

Culinary Arts 1 (semester) (9, 10, 11, 12)

Forensic Psychology (semester) (11, 12)

Forensic Science CP (semester) (11, 12)

General Psychology CP (11, 12)

Intro to Child Development (semester) (9, 10, 11, 12)

Intro to Cybersecurity (semester) (9, 10, 11, 12)

Psychology AP (11, 12)

Public Speaking (semester) (9, 10, 11, 12)

Weight Training (marking period) (9, 10, 11, 12)

OTHER ELECTIVES

Anatomy/Physiology 1 & 2 (semester classes) (Science elective, 2.5 credits, 11, 12)

AP Biology (Science elective, 6 credits, 11, 12)

AP Statistics (11, 12)

Calculus AP (Math elective, 5 credits, 12)

College Math (semester) (11, 12)

Earth Science (Science elective, 5 credits, 9, 10, 11, 12)

Economics H (11, 12)

Probability/Statistics CP (Math elective, 5 credits, 11, 12)

Sociology CC* (11, 12)

Spanish 5AP (11, 12)

Spanish Language & Culture AP (11, 12)

*SCCC Concurrent Course

Electives that may be repeated for credit

ART

ART 5 credits Grades 9, 10, 11, 12

Art introduces the elements and principles of art and design in two-dimensional art. This course encourages students to: Investigate the formal elements of design, including line, form, texture, composition, and color; experience graduated and sequential processes of art with attention to quality and craftsmanship; culminate these activities with a demonstration of an understanding of interrelatedness of these elements. The course includes long term projects that require commitment as well as short term projects and art history. Media may include the following: drawing, painting, mixed media, photography, manipulation, etc. Students are involved in critique.

AP ART HISTORY 5 credits Grades 9, 10, 11, 12 Prerequisite: AP criteria and mandatory summer assignment

This course is equivalent to a two-semester college survey course exploring the nature of art, art production, and aesthetic responses to art. By investigating specific works of art characterized by diverse artistic traditions from prehistory to the present, students will develop an in-depth, holistic understanding of the history of art from a global perspective. Students will become active participants in the global art world, engaging with its forms and content. They will experience, research, discuss, read, and write about art, artists, art production, critical responses to and interpretations of art. Students enrolled in AP courses are encouraged to take the AP test in May.

DIGITAL ARTS (semester) 2.5 credits Grades 9, 10, 11, 12

Will be offered in alternate years starting 2025-2026

Students will utilize software programs included in Adobe Creative Suite to engage in project-based learning. Projects will include a photography unit, with image manipulation as well as digital painting. All projects will focus on the principles of design and the process of critique. This course can fulfill the 21st Century Life and Careers requirement or the Visual/Performing Arts requirement.

GRAPHIC DESIGN* (semester) 2.5 credits Grades 9, 10, 11, 12

Students will explore design in the areas of typography, desktop publishing, digital illustration, color theory, and business collateral materials. This course can fulfill the 21st Century Life and Careers requirement or the Visual/Performing Arts requirement.

***Additionally, upon successful completion of course requirements, 3 college credits may be awarded.**

PHOTOGRAPHY (semester) 2.5 credits Grades 9, 10, 11, 12

This course will introduce students to black & white fine art photography and the essential procedures for understanding the photographic process. The focus of this course will include the history of photography, technical aspects of using a digital camera in full manual mode, digital editing programs, computer printing skills, and application of the elements & principles of design to each photographic image. Historical and contemporary photographers will be studied and applied to student work. Students will be required to keep all of their images and projects on their Google Drives. Projects to be presented in google slides and occasionally printed. This course can fulfill the 21st Century Life and Careers requirement or the Visual/Performing Arts requirement.

SCULPTURE 5 credits Grades 9, 10, 11, 12

Students focus on the elements and principles of color and design using three dimensional spaces. A variety of materials provide the basis for student projects. In addition, students solve problems in relation to design and spatial issues as they develop their ability to communicate to viewers through their projects. Critique is required.

TV/VIDEO PRODUCTION* 5 credits Grades 9, 10, 11, 12

Students will be introduced to the fundamentals of television and video production. Students will learn about the different creative and technical crew positions and activities necessary for successful TV/Video production. They will produce interviews, public service announcements, commercials and short films utilizing studio cameras, lights, switcher, teleprompter, camcorders, microphones and tripods. Editing will be conducted on Macintosh computers utilizing iMovie and Final Cut Pro X software. Through review of previously produced TV/Video programs, textbooks, magazines and online articles, hands-on experience, and powerful storytelling, the teacher will guide the students in producing their own unique TV/Video projects. This course can fulfill the 21st Century Life and Careers requirement or the Visual/Performing Arts requirement.

***Additionally, upon successful completion of course requirements, 3 college credits may be awarded.**

BUSINESS/FAMILY & CONSUMER SCIENCE

COSMETOLOGY I 10 credits Grade 9, 10

Introduction to basic services of cosmetology and a comprehensive overview of the history of coloring will be explored. Topics include the principles and procedures of using creative expression and artistry for hair cutting, coloring, lightening, scalp and hair analysis and permanent waving. Emphasis on safety and sanitation measures will be implemented in all instructions. Students may be required to do additional studio/lab time to meet the number of course hours required by the state. Instruction in understanding the science as it relates to cosmetology and a study into the ethical practices for the licensed professional will be incorporated. Topics include Physiology, Osteology, Myology, Neurology and Chemistry as they relate to Cosmetology, the Circulatory System, Endocrine, Excretory, Digestive, Respiratory, Reproductive Systems, cell/tissue structure and body systems affected by Cosmetology. Additionally, business practices, law regulations and ethics practices will be explored. Emphasis on safety and sanitation measures will be implemented in all instructions.

COSMETOLOGY II 10 credits Grades 10, 11 Prerequisite: Cosmetology I

In this course students will independently and safely practice cosmetology methods and complete degree requirements. Topics include the art of soft selling products and service, and providing services for clients in a salon atmosphere. Emphasis on safety and sanitation measures will be implemented in all instructions. Students may be required to do additional studio/lab time to meet the number of course hours required by the state. Students will continue to independently and safely practice cosmetology methods and complete degree requirements. Additionally, students will prepare for the New Jersey State Board Exam.

COSMETOLOGY III/ADVANCED 10 credits Grades 11, 12 Prerequisite: Cosmetology II

In this course students will independently and safely practice cosmetology methods and complete degree requirements. Topics include the art of soft selling products and service, and providing services for clients in a salon atmosphere. Emphasis on safety and sanitation measures will be implemented in all instructions. Students may be required to do additional studio/lab time to meet the number of course hours required by the state. Students will continue to independently and safely practice cosmetology methods and complete degree requirements. Additionally, students will prepare for the New Jersey State Board Exam.

INTRO TO CHILD DEVELOPMENT: 2.5 or 5 credits Grades 9, 10, 11, 12

This course is designed to help students understand children and to provide them good quality care. Students will gain knowledge of a child's growth and development to effectively interact with small children. The Hopatcong High School Preschool Program provides students with the opportunity of working with children and applying classroom theories to practical use. The students will plan lessons and teach preschoolers, on a rotating basis, three days a week from October to June. It is important that students realize that it is a serious course that can be both a lot of fun and a lot of work. We do not simply "play" with preschoolers - we teach them and help them to be ready for kindergarten. Child Development is an elective available to all students to serve as teacher assistants in our Preschool Program. This course provides an opportunity for High School students to apply learning theory, use effective early childhood instructional strategies, and prepare Hopatcong's preschoolers for kindergarten. ****MAY REQUIRE working with young children.**

ADVANCED CHILD DEVELOPMENT 5 credits Grades 11, 12 Prerequisite: Intro to Child Development

This course is designed for the student who wishes to pursue a career in early childhood education. It will help the student to recall, review and expand on the concepts presented in Child Development I. In this course, students will learn how to prepare content specific lesson plans, including but not limited to writing, mathematics, science, social studies, food and nutrition and music. These lessons will be presented and evaluated, and observations will be conducted three days a week with teacher guidance. Students will be encouraged to think more critically when solving problems and making decisions. In this course, students will solve complex problems, make difficult decisions and assess ethical implications of their decisions. In addition, students will have the opportunity to shadow teachers within the district.

***Additionally, upon successful completion of course requirements, college credit may be awarded.**

CULINARY ARTS 1 (semester) 2.5 credits Grades 9, 10, 11, 12

This course is designed for the student who is interested in the basic skills and knowledge of food preparation (cookies, quick breads, fruit, microwave cooking, pastry, pasta, etc.) consumer education, and nutrition. This course will include written assignments, tests, and hands-on activities. A willingness to sample foods is a must.

ECONOMICS HONORS 5 credits Grades 11, 12

Will be offered in alternate years starting 2024-2025

The purpose of the Principles of Economics course is to give students a thorough understanding of the introductory principles of micro and macroeconomics. The curriculum for Economics Honors will include aspects of Supply and Demand, Money and Banking Systems, Distribution of Income, the Government's role in the Economy, Fiscal and Monetary Policy, as well as International Trade. A strong emphasis will be placed on current events and the practical application and implementation of economic decisions and policies. A capstone Stock Market Project will incorporate the application of theories and strategies studied throughout the course. This course may fulfill the Financial Literacy requirement.

FINANCIAL LITERACY (semester) 2.5 credits Grades 11, 12

This course will ensure students demonstrate understanding about how the economy works and their own role in the economy, and also develop the necessary skills to effectively manage personal finances. Financial Literacy is a graduation requirement.

ENGLISH

****All English classes will have a basic-level course for those students who require a basic-level pace.**

ENGLISH 1 CP 5 credits Grade 9

This course is designed for students who wish to pursue a college education, other training, or careers; this course fulfills the freshman English requirement. In this course, students will be required to read a variety of grade level complex texts to prepare for college level reading. It provides an introduction to literary forms – the short story, the novel, poetry, and drama. Specific attention is given to the improvement of reading, thinking, and discussion skills in connection with required grade level reading. The writing process promotes grade level writing as applies to argument, literary analysis, and explanatory writing. Students will be required to do research and engage in reading literary works such as fiction, nonfiction, poetry and other genres outside of the English classroom.

ENGLISH 1 HONORS 5 credits Grade 9 Prerequisite: Honors Criteria & Possible Summer Assignments

Students must be eligible by having achieved the prerequisite grades as indicated in the beginning of the Curriculum Handbook. This course is designed for students who wish to pursue a college education This course fulfills the freshman English requirement. It provides an introduction to literary forms – the short story, the novel, poetry, and drama. Specific attention is given to the advancement of reading, thinking, and discussion skills in connection with grade level reading and above. The writing process promotes extensive writing as applies to argument, literary analysis, and explanatory writing. Students will be required to do research and engage in reading literary works such as fiction, nonfiction, poetry and other genres outside of the English classroom.

ENGLISH 2 CP 5 credits Grade 10

This course focuses on the study of American literature grouped by themes. The themes are: The American Dream, Romanticism and Imagination, Search for Freedom, Coming of Age in America, Nature as an American experience and identity. Writing is addressed from a process point of view and is assigned on a consistent and regular basis. Individual student needs are addressed. Research is required.

ENGLISH 2 HONORS 5 credits Grade 10 Prerequisite: Honors Criteria & Possible Summer Assignments

This course engages students in critical thinking and an integrated reading and writing program focusing on American literature. Students come to an understanding of the historical development of American intellectual thought based on the ideas expressed through literature. Students write creative and informative pieces on a regular and consistent basis. Research is required.

ENGLISH 3 CP 5 credits Grade 11

Our literary heritage from the United States provides the content for this course. Students study early and contemporary works in order to come to an understanding of the development of American literary thought and history. The literature is arranged by the following themes: Writing Freedom; Individual and Society; Power, Protest and Change; Grit and Grandeur; Facing our Fears; Extraordinary Lives, Extraordinary Tales. An integrated reading and writing approach (hard copy and online) is implemented. Formal research is required.

ENGLISH 3 (LANGUAGE & COMPOSITION) AP 5 credits Grade 11 Prerequisite: English 1 and English 2. AP Criteria & Mandatory Summer Assignments.

The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making

appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text from many disciplines and historical periods. Many practice items from CollegeBoard and other respectable sites are included in order to prepare for the spring exam. Students enrolled in AP courses are encouraged to take the AP test in May. Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing. Successful completion of the AP exam **may** earn college credit at Sussex County Community College.

ENGLISH 4 CP 5 credits Grade 12

British literature is the focus for the reading and thematic approach of this course. The literature is presented in the following thematic units: Forging a Hero: Warriors and Leaders, Reflecting on Society: Argument, Satire, and Reform, Facing the Future, Confronting the Past: Shakespeare Extended Study, Seeing Things New: Visionaries and Skeptics, Discovering the Self: Individual, Nature, and Society, and Finding a Home: Nation, Exile, and Dominion. Literary and Philosophical traditions are studied in an integrated approach. Writing is addressed from a process point of view and is assigned on a regular basis. Formal research is required.

ENGLISH 4 (LITERATURE & COMPOSITION) AP 5 credits Grade 12 Prerequisite: AP

Criteria & Mandatory Summer Assignments

Students may apply to AP English after the successful completion (A-, A, A+; teacher recommendation) of English 3 AP. This course follows the curriculum designed by the College Board and involves the intense analysis of literature from the 16th century forward. Writing is addressed from a process approach and is assigned regularly. Formal literary criticism and research as well as imaginative writing is required. Many practice items from College Board and other respectable sites are included in order to prepare for the spring exam; students enrolled in AP courses are encouraged to take the AP test in May. Successful completion of the AP exam **may** earn college credit at Sussex County Community College.

ENGLISH 4 CC* 5 credits Grade 12

English 4 CC is a course designed to mirror a first year college English course. Students will follow a curriculum from Sussex County Community College and refine their skills in writing and reading comprehension.

***Additionally, upon successful completion of course requirements, up to 6 college credits may be awarded for English Comp 1 & 2.**

CREATIVE WRITING (semester) 2.5 credits Grades 9, 10, 11, 12

This one-semester course offers interested students the opportunity to develop and enhance their writing talents beyond the scope of the regular English developmental writing curriculum. Emphasis will stress the development of a writing style in prose, poetry, and drama. Students will contribute to the school's literary publication, as well as demonstrate sufficient writing proficiency to enter professional contests geared to their grade level and including varying writing categories. Enrichment via the reading of famous authors will supplement and enhance instruction.

MULTILINGUAL LEARNERS (MLL) 5 credits Grades 9, 10, 11, 12

This course is offered each year to qualifying students requiring language training in English based on family background, teacher recommendation and test results.

JOURNALISM (semester) 2.5 credits Grades 9, 10, 11, 12

Will be offered in alternate years starting 2025-2026

This semester course introduces students to the fundamentals of writing journalism for delivering news in a Broadcast Station or Social Media setting. Students learn how to write news articles, feature articles, reviews, and editorials while also becoming aware of fake news, misinformation, and disinformation. In addition, students will analyze speeches and other performances in front of the camera to understand the available roles in front of and behind the camera. Students in this semester course can participate in the CTE program with TV Production.

PUBLIC SPEAKING (semester) 2.5 credits Grades 9, 10, 11, 12

This course enables students to identify, create, and deliver varying types of speeches including demonstrative, informative, and persuasive ones. In addition, students examine examples of famous speeches in order to help them develop an aesthetic awareness of and the critical ability to evaluate speeches. This course is designed to enhance students' speaking and listening skills, self-confidence, and self-esteem. Further, students study the components of formal debate and have an opportunity to participate in debates in order to sharpen their logical, persuasive and research skills. Peer evaluation is a consistent component of this course.

MATHEMATICS

****All mathematics classes will have a basic-level course for those students who require a basic-level pace.**

ALGEBRA I CP 5 credits Grade 9, 10

This course is the first course in mathematics for the college bound student. Algebra I CP provides a solid foundation in algebraic foundations and enables students to develop their ability to solve complex problems in a logical and systematic manner. Students will study expressions, equations and the relationship between them. Conceptual understanding and procedural skills will be stressed equally. This course is a prerequisite for Geometry.

GEOMETRY CP 5 credits Grades 9, 10, 11 Prerequisite: Algebra I CP

Geometry is the study of two-dimensional figures and their relationship to other branches of mathematics. Additionally, Geometry represents and describes our world, including categorizations and properties of shapes and their relationships. Important outcomes of this Geometry course are to develop skills in deductive reasoning, to learn how to construct proofs, to understand geometric properties, to develop visualization skills, pictorial representations, and applications of geometric ideas to describe and answer questions about natural, physical, and social phenomena. The primary objectives of the study of Geometry CP is to develop an appreciation of logical thought, to design a relevant proof through an application of Geometric principles, and to communicate these operations so as to relate these skills to real world applications.

GEOMETRY HONORS 5 credits Grades 9, 10, 11 Prerequisite: Algebra I, Teacher Recommendation, Honors Criteria, & Possible Summer Assignment. Students requesting the Geometry H program from Algebra I CP must meet Honors Criteria.

The Geometry Honors course is designed to provide students with an in-depth study of the relationships, properties and measurements of geometric figures, special shape relationships, trigonometry, geometric patterns, constructions, coordinate geometry and transformations. Algebraic concepts, deductive reasoning, determining the validity of arguments, mathematical proofs, and the properties of plane and spatial figures are emphasized. A greater number of theorems are presented for mastery and connections made to algebraic applications. The initial emphasis in this area is highly verbal. Projects and/or research are assigned as an outgrowth of Geometry course work.

ALGEBRA II CP 5 credits Grades 10, 11, 12 Prerequisite: Algebra I and Geometry CP

In Algebra II greater emphasis is placed on the structure of Algebra. Algebra II extends the fundamental concepts and skills of elementary Algebra to a higher level and, while introducing new concepts, draws upon the same basic notions previously studied. Emphasis is placed on the study of functions, including linear, polynomial, rational, absolute value, exponential, and logarithmic, their properties and analysis of their graphs. Conceptual understanding and procedural skills will be stressed equally. Instruction throughout this course will capitalize on calculator capabilities. This course is a prerequisite for Precalculus.

ALGEBRA II HONORS 5 credits Grades 9, 10, 11, 12 Prerequisite: Geometry H, Honors Criteria & Possible Summer Assignment. Course may be taken concurrently with Geometry H or CP.

Algebra II Honors is designed for the advanced mathematics student and provides rigorous preparation for Precalculus through challenging problems and in-depth development of algebraic concepts. Emphasis is placed on the study of functions, including linear, polynomial, rational, absolute value, exponential, and logarithmic, their properties and analysis of their graphs. Mastery of Algebra 1 skills is assumed. Students demonstrate algebraic applications using graphing calculators. This course is a prerequisite for Pre-Calculus Honors.

PRE-CALCULUS CP 5 credits Grades 11, 12 Prerequisite: Algebra 1 CP, Algebra II CP, Geometry CP

This Pre-Calculus course introduces aspects of higher mathematics to college preparatory students who are preparing to take Calculus. Topics will include functions (algebraic and transcendental), graphing, right triangle trigonometry, elementary trigonometric identities and their applications. A graphing calculator will be used as a tool for processing data and performing calculations to investigate and solve problems.

PRE-CALCULUS HONORS 5 credits Grades 11, 12 Prerequisite: Geometry Honors, Algebra II H, & Possible Summer Assignment

Pre-Calculus Honors introduces aspects of higher mathematics to college preparatory students who are preparing to take AP Calculus. It includes an extension of Algebra, Trigonometry, and analytical Geometry as well as selected topics such as probability, number systems, matrices, function analysis, limits, continuity and a rigorous, graphing-intensive introduction to differential Calculus.

CALCULUS CP 5 credits Grade 12 Prerequisite: Pre-Calculus CP

Calculus is the mathematical study of continuous change. This course is an introduction to calculus with emphasis upon solution, techniques, and applications rather than abstract theory. It includes elements of analytic geometry, important pre-calculus topics, differential calculus for elementary functions, optimization, curve sketching, and other applications of derivatives to physical and social sciences; introduction to integral calculus; and use of graphing calculators.

CALCULUS AP 5 credits Grade 12 Prerequisite: Pre-Calculus Honors or Pre-Calculus CP & Mandatory Summer Assignment.

This course is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. The course covers topics in these areas, including concepts and skills of limits, derivatives, integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use analytic methods and technology to help solve problems, experiment, interpret results, and support conclusions. Students enrolled in AP courses are encouraged to take the AP test in May.

COLLEGE MATH (semester) 2.5 credits Grades 11, 12 Prerequisite: Algebra I CP, Algebra II CP, & Geometry CP

This mathematics course is meant for those students who have completed Geometry and want an advanced math course as an alternative to Pre-Calculus and Calculus. Topics in discrete math, trigonometric functions, as well as a review of geometric concepts will be explored. This course will prepare the senior level student for college and the math needed on college admission tests. This course should be combined with another semester elective within the math department.

PROBABILITY/STATISTICS CP 5 credits Grades 11, 12 Prerequisite: Algebra I CP, Algebra II CP, & Geometry CP

Probability/Statistics is a full year course that will present the student with valuable information for future undergraduate courses as well as the real world. The course will encompass the study of elementary probability theory along with its application and analysis, utilizing graphing calculators and other forms of technology.

STATISTICS AP 5 credits Grades 11,12 Prerequisite: Algebra II CP

Will be offered in alternate years starting 2024-2025

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. The use of a graphing calculator in AP Statistics is considered an integral part of the course. Students enrolled in AP courses are encouraged to take the AP test in May.

PERFORMING ARTS

BAND (semester) 2.5 credits Grades 9, 10, 11, 12

Band members will learn to appreciate and perform a wide variety of classical and contemporary music for concert band. Knowledge of rhythms, scales and attention to musical interpretation will be stressed. Additional small group and/or individual instruction will employ intermediate and advanced methods of Belwin, Rhubank or the equivalent. The participation of all band members in rehearsals and all scheduled public performances throughout the school year is required unless previously excused by the director. A weekly instrumental lesson is required of all band members.

CHORUS (semester) 2.5 credits Grades 9, 10, 11, 12

The choral experience provides an opportunity for students to learn vocal techniques and sing a wide variety of contemporary and classical vocal music. The participation of all chorus members in rehearsals and all public performances scheduled during the semester is required, unless previously excused by the director.

AP MUSIC THEORY 5 credits Grades 10, 11, 12

Will be offered in alternate years starting 2024-2025

The AP Music Theory course corresponds to two semesters of a typical introductory college music theory course that covers topics such as musicianship, theory, musical materials, and procedures. Musicianship skills including dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of music that are heard or presented in a score. Development of aural skills is a primary objective. Performance is also part of the learning process. Students understand basic concepts and terminology by listening to and performing a wide variety of music. Notational skills, speed, and fluency with basic materials are emphasized. Students enrolled in AP courses are encouraged to take the AP test in May.

PIANO (semester or full year) 2.5 or 5 credits Grades 9, 10, 11, 12

No previous music training is necessary for any student who would like to learn how to play a musical instrument. Students with music experience may also take the course to improve the skills they already possess. Electronic synthesizers will be provided for class instruction through an individualized program that will expand his/her musical accomplishments to a proficiency level determined after an initial interview. Music from all time periods will be studied and each student will learn to play a repertoire of music commensurate with his/her ability.

PHYSICAL EDUCATION

The Physical Education Program includes instruction in the following types of activities: body mechanics, individual/dual activities, aerobics, recreation activities, games, physical fitness activities, conditioning activities, lifetime activities, team activities, and health education. The Health Education Program will include instruction in the following areas (by grade level):

PHYS ED 9/HEALTH 9 3.75 (PE)/ 1.25 (Health) credits Grade 9

The emphasis of the ninth grade health program is on health and wellness, including topics on the body, sexually transmitted diseases, drug and alcohol awareness, nutrition, suicide prevention, and character education.

PHYS ED 10/DRIVER ED 3.75 (PE)/ 1.25 (Health) credits Grade 10

The emphasis of the tenth grade driver education program is Driver's Theory and DWI Awareness.

PHYS ED 11/HEALTH 11 3.75 (PE)/ 1.25 (Health) credits Grade 11

The emphasis of the eleventh grade health program is first aid - multimedia first aid, character education, decision making, leadership, mental health, stress, AIDS, etc.

PHYS ED 12/HEALTH 12 3.75 (PE)/ 1.25 (Health) credits Grade 12

The emphasis of the twelfth grade health program is family living - drug & alcohol awareness, contemporary issues, conflict resolution, family, relationships, violence prevention, marriage, pregnancy, childbirth, and parenthood.

ARCHERY (marking period) 1.25 credits Grades 9, 10, 11, 12

May be offered in alternate years starting 2025-2026

This course is designed for students to develop an understanding of archery as an individual sport as well as a lifetime recreational activity. Students will gain an understanding of safety principles, equipment, technique and terminology.

NUTRITION (semester) 2.5 credits Grades 9, 10, 11, 12

Will be offered in alternate years starting 2025-2026

This course is designed to provide students with an understanding of the fundamental concepts of human nutrition, including digestion, absorption, metabolism, and the function of nutrients as they relate to human health and disease. Additionally, the course will help students learn techniques to prepare healthy meals that contribute to overall wellness.

WEIGHT TRAINING 101 (marking period) 1.25 credits Grades 9, 10, 11, 12

This course is designed to provide students with an understanding of the fundamental concepts of human nutrition, including digestion, absorption, metabolism, and the function of nutrients as they relate to human health and disease. Additionally, the course will help students learn techniques to prepare healthy meals that contribute to overall wellness.

SCIENCE

****All science classes will have a basic-level course for those students who require a basic-level pace.**

ANATOMY/PHYSIOLOGY CP (semester) 2.5 credits Grades 11, 12 Prerequisite: Biology CP, Chemistry CP

The focus of this course is on different human body systems which encompasses the fields of biochemistry, clinical biology and histology. Students are given opportunities for research and dissections.

ANATOMY/PHYSIOLOGY II CP (semester) 2.5 credits Grades 11, 12 Prerequisite: Anatomy/Physiology

Anatomy/Physiology II is offered as a continuation of Anatomy/Physiology. It is geared toward students who demonstrate an interest in medical fields, and it allows for a more in-depth study of human body systems, including digestive, respiratory, immune, excretory, and endocrine. It emphasizes research and various bio-techniques.

INTRO TO BIOLOGY 5 credits Grade 9

This lab based class focuses on life processes including cellular respiration, reproduction and replication. Areas of study include The Scientific Method, Biochemistry, Cytology, Genetics, Evolution, Taxonomy and Microbiology. Current scientific events are also explored as well as career integration.

BIOLOGY CP 6 credits Grade 9

Biology CP is a college prep course that includes laboratory activities. Considerable emphasis is placed on laboratory work and the student's ability to analyze experimental data to formulate logical conclusions. Students will be introduced to many scientific concepts and principles that will be used in higher-level science courses. Areas of study include Biochemistry, Cytology, Genetics, Evolution, Taxonomy and Microbiology. Current scientific events are also explored.

BIOLOGY HONORS 6 credits Grade 9,10 Prerequisite: Mandatory Summer Assignment

Biology Honors is designed to provide the highly motivated student with the scientific principles, concepts, and methodologies required to understand the relationships between the structure and function of living things. This curriculum includes topics such as origins of life, molecular processes, genetics and genetic technology, evolution, ecology, human impact, and the study of select human body systems. This course moves at a faster pace than Biology CP and covers a greater depth of information requiring students to have excellent work habits and independent study skills. This course is designed to prepare students for the material needed for the SAT-II Biology test and is highly recommended for those wishing to take AP Biology.

BIOLOGY AP 6 credits Grades 11, 12 Prerequisite: Biology CP or H, Chemistry H, or based on teacher recommendations: Student must also meet AP Selection Criteria, & Mandatory Summer Assignment

This course is a college level course that follows closely the syllabus recommended by the College Board and prepares students for the Advanced Placement examination in Biology. This course is designed to provide a more in-depth study of the biological sciences for students who have a special interest in Biology or its related fields. It will emphasize comparative Anatomy and Physiology, Ecology, Microbiology, Genetics, Cytology, and Biochemistry. Individual research work and laboratory work will be expected of all students. Students enrolled in AP courses are encouraged to take the AP test in May.

CHEMISTRY IN THE COMMUNITY 5 credits Grades 10, 11, 12 Prerequisite: Algebra I, Biology

The Chemistry in the Community course introduces the students to the study of matter and its structure through experimentation, demonstrations, and class discussions. The course provides for laboratory exercises where the student collects, analyzes and interprets quantitative data. Topics such as atomic structure, molecular architecture, bonding, and stoichiometry and gas laws are some of the highlights of the course. The pace will be slower than the Chemistry CP course and may go into less detail.

CHEMISTRY CP 6 credits Grades 10, 11, 12 Prerequisite: Algebra I CP, Biology CP

The Chemistry CP program introduces the students to the study of matter and its structure through experimentation, demonstrations, and class discussions. The course provides for laboratory exercises where the student collects, analyzes and interprets quantitative data. Topics such as atomic structure, molecular architecture, bonding, and stoichiometry and gas laws are some of the highlights of the course. Students who successfully complete this course will be provided with an excellent background in College Preparatory Chemistry.

CHEMISTRY HONORS 6 credits Grades 10, 11, 12 Prerequisite: Algebra 1 CP, Biology CP/Honors & Possible Summer Assignment

Chemistry Honors is designed to provide the highly motivated student with an understanding of inorganic chemistry. Topics include: properties of matter and change, atomic theory, electron structure and periodicity; chemical bonding and reactions; stoichiometry; states of matter; solutions; thermochemistry; rates and equilibrium; acids, bases, and salts; and redox reactions. This course moves at a faster pace than Chemistry CP and covers a greater depth of information, requiring students to have excellent work habits and independent study skills. This challenging course covers most of the material needed for the Chemistry SAT II exam and will better prepare students interested in taking.

CHEMISTRY AP 6 credits Grades 11, 12 Prerequisite: Algebra 1 CP, Biology H, Chemistry H, meet AP Selection Criteria, & Mandatory Summer Assignment

Will be offered in alternate years starting 2025-2026

Chemistry AP is designed to be the equivalent of a general Chemistry course usually taken during the first year of college. The course will focus on the following topics: Atomic Theory and Structure, Chemical Bonding, Nuclear Chemistry, Status of Matter, Chemical Reactions, Stoichiometry, Equilibrium, Kinetics, Thermodynamics, Organic Chemistry, etc. Students in this course will be expected to attain an in-depth understanding of the fundamentals of chemistry and a high degree of competence in dealing with chemical problems. Students will be prepared to take the Advanced Placement test in Chemistry. Students enrolled in AP courses are encouraged to take the AP test in May.

CLIMATOLOGY AND HUMAN ADAPTIVE BEHAVIOR 2.5 credits Grades 10, 11, 12

Prerequisite: High School Biology

Will be offered in alternate years starting 2024-2025

Students will study events in the Earth's climate history and research / discuss some of the theories regarding historical climate change. Major topics will include weather patterns and forecasting, the impact of climate, energy and sustainability on agriculture, humans and other animal species. This STEAM integrated course will include using skills in qualitative and quantitative research, problem solving, and analytical cause and effect. The class will emphasize designing solutions to the real life problems related to the research.

EARTH & FORCES 5 credits Grade 10

This course is designed for students who must fulfill the three year state science requirement, but who do not plan to continue their science or a science related field after high school. This course will emphasize activities involving the concepts in both basic physics and earth science.

EARTH SCIENCE CP 5 credits Grades 9, 10, 11, 12

Earth Science is the study of the features and forces of our planet. The course includes topics in astronomy, geology, meteorology, oceanography, Earth history and physical geography. Classroom activities permit the students to interrelate these topics and to gain personal experiences within their surroundings. Environmental concerns, natural resources, energy, earth processes and the influences of science, technology and society are all significantly intertwined and a basic understanding will make a more informed citizen. This course is designed to prepare students for success in the academic, college-preparatory science courses required for college entrance, and also fulfills the district high school physical science requirement.

ENVIRONMENTAL SCIENCE AP* 6 credits Grades 10, 11, 12 Prerequisite: Biology and Chemistry (Chemistry may be taken concurrently); teacher recommendation. Mandatory Summer Assignment.

Will be offered in alternate years starting 2025-2026

This Advanced Placement course is designed to be the equivalent of an introductory college course in environmental science. The goal of the course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Laboratory and field investigations will be drawn from many areas of scientific study, such as biology, ecology, chemistry, physics, geology, meteorology and oceanography. This course stresses scientific principles and analysis, and includes a strong laboratory and field investigation component. Students enrolled in AP courses are encouraged to take the AP test in May.

***Additionally, upon successful completion of course requirements, college credit may be awarded.**

FORENSIC SCIENCE CP 2.5 credits Grades 11, 12 Prerequisite: Biology and Chemistry, or approval of the instructor. Chemistry can be taken concurrently with this course.

Will be offered in alternate years starting 2024-2025

This curriculum is designed for students to explore the world of forensics and solving crimes. Students will utilize high-tech experimentations which will enable them to develop skills in observation and data analysis. The activities are designed to reinforce previously learned concepts in biology, chemistry, and scientific inquiry in addition to encouraging students to investigate careers in science.

ESSENTIALS OF PHYSICAL SCIENCE CP 5 credits Grades 11, 12 Prerequisite: Algebra 1 CP

The purpose of Physics is to provide the student with an understanding of the contemporary view of the physical world. All physical phenomena are described in terms of the fundamental concepts-matter and energy. The development and evolution of these concepts is the central theme of the course. This course will move at a slower pace and go into less detail than the Physics CP course.

PHYSICS CP 6 credits Grades 11, 12 Prerequisite: Algebra 1 CP

The purpose of Physics is to provide the student with an understanding of the contemporary view of the physical world. All physical phenomena are described in terms of the fundamental concepts-matter and energy. The development and evolution of these concepts is the central theme of the course.

PHYSICS HONORS 6 credits Grades 11, 12 Prerequisite: Geometry CP, Chemistry H, concurrent Algebra II CP. No prior course work in Physics is necessary.

Physics Honors is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. This course requires that 25 percent of the instructional time will be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices. No prior course work in physics is necessary. Students should have completed geometry and be concurrently taking Algebra II. Although the Physics 1 course includes basic use of trigonometric functions, this understanding can be gained either in the concurrent math course or in the AP Physics 1 course. Students enrolled in this course will have the opportunity to take AP Physics the following year.

SOCIAL STUDIES

****All social studies classes will have a basic-level course for those students who require a basic-level pace.**

U.S. HISTORY I CP 5 credits Grade 9

Students study the mid-19th century and early 20th century American History. The course begins with a study into the development of southern society, as to its use of slaves and its dependency on any agriculturally based economy. Next, the course addresses the development of American culture by stressing the American Civil War, Reconstruction, Westward Expansion, Industrial Growth and the United States' emergence into a world power both militarily and economically before and during World War I. Research projects are required.

U.S. HISTORY I HONORS 5 credits Grade 10 Prerequisite: Honors Criteria & Mandatory

Summer Assignment

This course is designed to study the period from 1840 to 1920. It analyzes the courses of the American Civil War, the results of Reconstruction, the rise of organized labor and industrialization, and it evaluates the effects upon the country. U.S. It emphasizes the changes in domestic reforms, the Populist and Progressive Movements, and foreign affairs policy and the emergence of the United States as a World Power and America's entrance and participation in World War I. Research is required. *This is a requirement to take the next AP course.

U.S. HISTORY 2 CP 5 credits Grade 10 Prerequisite: US History I

This course begins with the changes in America's society in the 1920's, its return to isolationism after World War I, and its effects on United States' policies during the decades immediately thereafter and continuing to the present. An examination of economic changes, cultural developments and political evolutions will occur, taking into account their effects on both domestic policies and foreign relations. Students are expected to read and analyze primary sources of the period. Research is required.

U.S. HISTORY 2 AP 5 credits Grade 11, 12 Prerequisite: US History I Honors, Honors Criteria, & Mandatory Summer Assignment

This course is designed to give students grounding in the subject matter of United States history and in major interpretive questions and derives from the study of selected themes. The students are expected to be able to draw upon the reservoir of factual knowledge in order to effectively exercise their analytic skills. Students are expected to read critically and to write effectively. Some of the topics that may be covered are as follows: Age of Jefferson, Nationalism and Economic Expansion, Sectionalism, Age of Jackson, Creating an American Culture, and Intellectual and cultural Movements. Primary and secondary research is required. Students are expected to be "self-starters" and go beyond the limits of an assignment. Students enrolled in AP courses are encouraged to take the AP test in May.

WORLD HISTORY CP 5 credits Grade 11

This course studies various cultures through history and geography. This experience is designed to be project-oriented and activity driven and students are expected to go beyond the limits of assignments and pursue intellectual inquiry in research and in other activities. Research is required.

AP WORLD HISTORY 5 credits Grade 9 Prerequisite: Honors Criteria & Possible Summer Assignments

This course studies various cultures through history and geography. This experience is designed to be project-oriented and activity driven and students are expected to go beyond the limits of assignments and pursue intellectual inquiry in research and in other activities. Research is required.

CRIMINAL JUSTICE* 5 credits Grades 10, 11, 12

This course will provide students with a foundation in the history of western law, historical legal documents, and the legal system. Students will explore careers in law enforcement, corrections, and multiple careers in the legal system. An emphasis will be placed on the development of critical thinking skills, evidenced based writing and debate, as well as problem solving. Multimedia resources and guest speakers will be an integral part of the course.

***Additionally, upon successful completion of course requirements, college credit may be awarded.**

FORENSIC PSYCHOLOGY CP 2.5 credits (semester) Grades 11,12

This semester course examines the field of psychology with a major focus in forensic psychology. Students examine forensic psychology used in the court system, police investigations, and criminal activity. Students learn how psychology is applied to our judicial system at all levels.

GENERAL PSYCHOLOGY CP 5 credits Grade 11, 12

General Psychology introduces students to Psychology as a science. It will cover the history, approaches, and methods of Psychology, sensation, and perception, states of consciousness, learning cognition, motivation, and emotional development, personality, testing, and individual differences, abnormal behavior, treatment of psychological disorders and social behavior. In addition to lectures and discussion, the course will involve demonstrations, group work, role-playing, viewing research films and videos, and guest speakers.

PSYCHOLOGY AP 5 credits Grades 11, 12 Prerequisite: Must meet AP selection criteria & Mandatory Summer Assignments. Current English and History course grades will be considered.

Will be offered in alternate years starting 2024-2025

Advanced Placement Psychology introduces students to Psychology as a science. It will cover the history, approaches and methods of Psychology, sensation and perception, states of consciousness, learning, cognition, motivation and emotional development, personality, testing and individual differences, abnormal behavior, treatment of psychological disorders and social behavior. In addition to lectures and discussion, classes will involve demonstrations, group work, role-playing, viewing research films and videos, and guest speakers. Students enrolled in AP courses are encouraged to take the AP test in May.

SOCIOLOGY CC* 5 credits Grades 11, 12 Prerequisite: Possible Summer Assignments.

This course presents an exciting opportunity for students to amass college credits while still in high school. The first semester is an introduction to the analysis and description of structures and dynamics of human society. Emphasis is placed on the application of scientific methods of observation and analysis of social groups, intergroup relations, social change, social stratification, and social institutions. The second semester focuses on a limited number of controversial social issues. Reading and discussions will center on the major sociological perspective on these bases, including functionalist, conflict, and interactionist viewpoints. Research is required.

***Additionally, upon successful completion of course requirements, college credit may be awarded.**

SPECIAL PROGRAMS

HOIST credits 5 credits per academic course Grades 9, 10, 11 12

The HOIST program will allow students to receive any (or all) of their academic instruction (English, Math, Science or History) via online IXL program or other online instruction program in a more relaxed classroom atmosphere. Students will be able to work at their own pace and will have the support of the classroom teacher.

SHORTENED SCHEDULE Grade 12

If students request to shorten their school day due to outside commitments such as work or family responsibilities, parent/guardian approval is required. Seniors are allowed to sign up for Early Release or Late Arrival in such cases. Interested students must sign up with their school counselor during their scheduling meeting for the upcoming school year. An application/parent/guardian signature form is required. An Administrator must review each request for final approval.

SPECIAL EDUCATION PROGRAM Grades 9, 10, 11, 12

Special education is provided only to students who have been classified according to New Jersey Special Education Administrative Code 6A: 14. Special education programs and services are designed to deal with their unique needs while educating them in their own least restrictive environment. Their studies are outlined in their Individualized Educational Plan (IEP) and are developed by the IEP team (case manager, regular education teacher, special education teacher, parent/guardian, student when appropriate, and any others deemed necessary). Based on their needs, students may be placed in a full continuum of alternative placements ranging from general education with supplementary aids and services to in-class resource programs, pull out resource programs, or specialized courses (behavioral disabilities, learning and/or language disabilities, multiple disabilities).

SPECIAL EDUCATION ELECTIVES

COMMUNITY BASED INSTRUCTION Credits based on Admin. Approval Grade 12

Community Based Instruction is offered to eligible students who are interested in enhancing their job skills through career exploration based in our community. This course offers students the opportunity to get “hands-on” experience in the professional realm, in addition to utilizing the acquired skills obtained through their HHS course work. The intention of this mentoring internship is to provide authentic learning experiences while preparing students for higher education or employment in their desired field. Eligibility for this program will be determined by the IEP team specific to each student. Students participating in this program will be shadowed by an approved Job Coach for extra support. Credit will be awarded on a case-by-case basis and will be determined by the level of participation on the assigned job sites.

LIFE SKILLS 2.5 or 5 credits Grades 9, 10, 11, 12

This course will focus on day to day skills necessary for students to live on their own successfully and help them to prepare for life after high school. Covered topics include: money, employment, shopping (food, essentials, clothing, etc), nutrition, accessing medical care, accessing transportation, educational technology, creating a home, telephone/internet fraud and leisure/vacation.

STUDY SKILLS 2.5 or 5 credits Grades 9, 10, 11, 12

This course focuses on the essentials of studying for classes. Students will learn how to organize their course materials, to understand course descriptions, time lines and due dates. Instruction includes best practices to ensure assignment completion, homework completion and specific strategies to study for tests and quizzes. Content material often includes students’ own course assignments from other courses in real time in order to practice these skills for assignment completion.

TRANSITION PREPARATION 2.5 or 5 credits Grades 11, 12

Transition Preparation is offered to eligible students to assist in their acquisition of life/career goals after their high school years. Students evaluate their personal interests and desires in order to plan for their future. Skills needed for daily living along with career exploration will be addressed so that students can build productive adult lives. Students in this course have the opportunity to participate in Community Based Instruction.

TECHNOLOGY

AP COMPUTER SCIENCE - PRINCIPLES 5 credits Grades 10, 11, 12 Recommended: Computer Science 101

AP Computer Science Principles (CSP) is a full-year, rigorous, entry-level course that introduces high school students to the foundations of modern computing. The course covers a broad range of foundational topics, such as programming, algorithms, the Internet, big data, digital privacy and security, and the societal impacts of computing. Completion of Computer Science 1 is highly recommended.

COMPUTER SCIENCE 101 5 credits Grades 9, 10, 11, 12

Computer Science 1 is designed for students with algebra readiness skills, and is predicated on the idea that learning about programming and computer science should be fun and engaging. Students will be introduced to the coding language Python, and will be given interesting problems to solve using computational problem-solving skills through a graphically enriched environment, allowing for multiple correct answers and providing visual cues to make debugging easier.

CONCEPTS OF GAMING (semester) 2.5 credits Grades 9, 10, 11, 12

Designed to introduce students to the world of Scholastic Esports, and show students how esports and video games can intersect with many aspects of their daily lives. Students will explore how video games intersect with Education, Health and Well-Being, Hardware, College and Career Planning, and Cultural Impact. Students may also have opportunities to explore popular esports titles throughout this course, while also discussing communications and leadership skills, goal setting techniques, and game-specific strategies.

INTRO TO CYBERSECURITY (semester) 2.5 credits Grades 9, 10, 11, 12 Recommended: Computer Science 1

This semester-long course is designed for students who are interested in exploring careers in Cybersecurity. The focus of instruction will include the implementation and monitoring of securing on network and computer systems. Students will investigate strategies to identify and protect against security threats such as hackers, eavesdropping and network attacks. The basics of cryptography and logic reasoning will be explored. Hands-on labs in a cyber range provide practice in the configuration and mitigation of system vulnerabilities.

WOODSHOP (semester) 2.5 credits Grades 9, 10, 11, 12

The Basic Woodworking course is designed to introduce students to the basics of hand and power tools. Students will learn through hands-on projects and instruction throughout the course. A specific emphasis will be placed on shop safety and correct usage of hand and power tools. This course provides students with preliminary understanding of using tools for general repairs/maintenance and basic woodworking skills.

WORLD LANGUAGE

SPANISH A 5 credits Grades 9, 10, 11, 12

This course prioritizes listening, speaking, and culture over reading and writing and is meant to provide students with the elementary understanding and proficiency needed to hold basic conversations in Spanish.

SPANISH 1 CP 5 credits Grades 9, 10, 11, 12

The fundamentals of Spanish grammar are presented in the first year course with an increasing emphasis on Spanish conversation and pronunciation. Also introduced is the development of knowledge of Spain and selected countries of Central and South America, past and present, with the characteristics and life of the Spanish-speaking people of these countries.

SPANISH 2 CP 5 credits Grades 9, 10, 11, 12 Prerequisite: Spanish 1

The course builds on the fundamentals taught in Spanish I. Pupils are expected to become more fluent in the use of the Spanish language as they increase their vocabulary, reading and conversational abilities. Reading and conversation are the central focus. In addition, the students learn the habits, customs, and history of the Spanish speaking countries and people.

SPANISH 3 CP 5 credits Grades 10, 11, 12 Prerequisite: Spanish 2

This course is designed to give the student the ability to read with understanding the materials by and for Spanish speaking people and to help the student become increasingly fluent in the fine points of Spanish grammar. The media presented to accomplish this purpose comprise current publications, classical selections and the further study of Spanish grammar.

SPANISH 3 HONORS 5 credits Grades 10, 11, 12 Prerequisite: Spanish 2, Honors Criteria

Students are expected to study Spanish and Spanish cultures in an accelerated manner. Speaking in Spanish is required. Appropriate literature and subsequent discussion is the central focus of the course. Research, presentations and cultural study of Spanish speaking nations are required.

SPANISH 5 AP 5 credits Grades 11, 12 Prerequisite: Honors Criteria & Possible Summer Assignments

A writing sample and spoken interview are required. This course follows the College Board's curriculum for Spanish AP Literature and requires students to analyze and critique Spanish literature in Spanish and respond through formal and informal writing and speaking assignments and activities. Students communicate in Spanish during class sessions. Students are encouraged to take the College Board Advanced Placement test in May.

SPANISH LANGUAGE & CULTURE AP credits Grades 11, 12 Prerequisite: Honors Criteria & Possible Summer Assignments

This course follows the College Board's curriculum for Spanish AP Language and Culture and requires students to show proficiency in writing, speaking, listening, and understanding the Spanish language. Students communicate in Spanish during class sessions. Students enrolled in AP courses are encouraged to take the AP test in May.