



HOPATCONG HIGH SCHOOL

CURRICULUM HANDBOOK

2021-2022

HOPATCONG HIGH SCHOOL

Curriculum Handbook 2021 - 2022 Edition

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

INTRODUCTION

This curriculum handbook is designed to assist students in their academic planning. Students should consult with parents, teachers and 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 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 CRITERIA

From a College Preparatory Level Course:

- To register for an Honors course, students enrolled in CP level courses must complete an application, which includes teacher recommendation. This will be done when the student meets with their counselor to schedule courses for the upcoming school year. Applications will be reviewed by the School Counseling Department and the principal for final decisions. Counselors will do an initial screening and then students must 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 required.

NOTE: Honors courses may have mandatory summer assignments.

To apply for Freshman 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 enrolled in CP 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 his/her 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.

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 can be made up until the end of MP 1, there should be no level changes after MP1 unless under extraordinary circumstances.
- Withdrawals occur only within the add/drop period (i.e. the first two weeks of a full year course or first two weeks of a semester course). If for some reason, a withdrawal is needed after the add/drop period, it must be noted on the academic transcript as WP (withdrew passing) or WF (withdrew failing).

HIGH SCHOOL SCHEDULING TIMELINE:

January – March	Scheduling begins for all students entering grades 9-12 next year
May 1	Deadline to change your course requests
August	Schedules will be available via PowerSchool

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.

GRADUATION REQUIREMENTS

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
Algebra I (or the equivalent) - 1 year					
Geometry - 1 year					
Algebra II (or the equivalent) - 1 year					
Biology - 1 year					
Lab Science - 1 year					
Lab Science- 1 year					
Financial Literacy - 1 semester					
Social Studies - 3 years		World History	US 1	US 2	
World Language - 1 year					
Visual or Performing Art - 1 year					
21 st Century Life and Careers - 1 year					
PE/Health - 4 years	PE/Health 8	PE/Health 9	PE/Dr. Ed 10	PE/Health 11	PE/Health 12
Electives (other)					
NJSLA/Alternate Assessment (Demonstrate Proficiency)		ELA	ELA	ELA	ELA
		Math	Math	Math	Math
TOTAL Credits (min = 120)		/	/	/	/

**The following courses fulfill the Arts, Career, & Financial Literacy requirements:
*** Each Course May Satisfy Only One Requirement *****

VISUAL & PERFORMING ARTS

AP Art History (9, 10, 11, 12)	Photography (<i>semester</i>) (9, 10, 11, 12)
AP Music Theory (10, 11, 12)	Piano 1 (<i>semester</i>) (9, 10, 11, 12)
AP Studio Art: 2D (11, 12)	Piano 2 (<i>semester</i>) (9, 10, 11, 12)
Art 1(9, 10, 11, 12)	Sculpture*** (9, 10, 11, 12)
Art 2 (10, 11, 12)	Theatre Arts (<i>semester</i>) (9, 10, 11, 12)
Band (9, 10, 11, 12)	TV/Video Production* (9, 10, 11, 12)
Digital Arts (<i>semester</i>) (9, 10, 11, 12)	TV/Video Production 2 (10, 11, 12)
Graphic Design (<i>semester</i>) (10, 11, 12)	

21st CENTURY LIFE & CAREERS

Architectural Design (<i>semester</i>) (9, 10, 11, 12)	Digital Arts (<i>semester</i>) (9, 10, 11, 12)	Intro to Cosmetology (9, 10, 11, 12)
Building Design & Const. (<i>semester</i>) (9, 10, 11, 12)	Drafting/CAD 1 (9, 10, 11, 12)	Journalism (<i>semester</i>) (9, 10, 11, 12)
Career Internship (11, 12)	Economics H (11, 12)	Landscaping Skills (9, 10, 11, 12)
Child Development 1* (9, 10, 11, 12)	Engineering Essentials (9, 10, 11, 12)	Nutrition (<i>semester</i>) (9, 10, 11, 12)
Child Development 2 H* (10, 11, 12)	Entrepreneurship (10, 11, 12)	Photography (<i>semester</i>) (9, 10, 11, 12)
Computer Science 101 (9, 10, 11, 12)	Farm to Table (10, 11, 12)	Public Speaking (<i>semester</i>) (9, 10, 11, 12)
Concepts of Gaming (<i>semester</i>) (8, 9, 10, 11, 12)	Forensic Science CP (<i>semester</i>) (11, 12)	Sociology CC* (11, 12)
Construction Skills (9, 10, 11, 12)	Fundamentals of Optic (9, 10, 11, 12)	TV/Video Production* (9, 10, 11, 12)
Cosmetology 1 (<i>double period</i>) (9, 10, 11, 12)	General Psychology CP (10, 11, 12)	TV/Video Production 2 (10, 11, 12)
Cosmetology 2 (<i>double period</i>) (9, 10, 11, 12)	Graphic Design (<i>semester</i>) (10, 11, 12)	Weight Training 101 (<i>semester</i>) (11, 12)
Creative Writing (<i>semester</i>) (9, 12, 11, 12)	Interior Design Studio (9, 10, 11, 12)	
Criminal Justice* (9, 10, 11, 12)	Intro to Coding (<i>semester</i>) (9, 10, 11, 12)	

FINANCIAL LITERACY

Financial Literacy (<i>semester</i>) (11, 12)	Economics H (11, 12)	Entrepreneurship (10, 11, 12)
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SUGGESTED 5-YEAR SEQUENCE

<u>GRADE 8</u>	
English 8 (Advanced or General)	-
PE 8/Health 8	-
Social Studies 8	-
Math 8 (no HS Credit) OR Algebra 1 (for HS Credit)	-/5
Science 8 (no HS Credit) OR Biology + Lab (for HS Credit)	-/6
Specials Cycle (no HS Credit) OR World Language (for HS Credit)	-/5
CTE Exploration Cycle OR Band (for HS Credit)	-/ 5
Lunch	-
Basic Skills	-
	0 – 23.5

<u>GRADE 9</u>		<u>GRADE 10</u>	
English 1	5	English 2	5
PE 9/Health 9	5	PE 10/Driver Education	5
World History	5	US History I	5
Algebra 1 (or equivalent) OR Geometry	5	Geometry (or the equivalent) OR Algebra II	5
Biology or equivalent (may include lab for additional credit)	5/6	Science (e.g. Chemistry) (may include lab for additional credit)	5 - 7
World Language	5	World Language	5
Career or Arts Elective/Financial Literacy	5	Career or Arts Elective/Financial Literacy	5
Lunch		Lunch	
	35-36		35-37

<u>GRADE 11</u>		<u>GRADE 12</u>	
English 3	5	English 4	5
PE 11/Health 11	5	PE 12/Health 12	5
Algebra II (or the equivalent) OR Math Elective	5	Math Elective	5
Science (e.g. Physics) (may include lab for additional credit)	5 - 7	Science Elective (may include lab for additional credit)	5-7
US History II	5	Social Studies Elective	5
World Language/Elective	5	World Language/Elective	5
Elective	5	Elective	5
Lunch		Lunch	
	35-37	**Early Release or Late Arrival with parent approval	35-37

*-Sussex County Community College Credit

Concurrent Course Distinctions:
**- Fairleigh Dickinson University Credit

*** - Seton Hall University Credit

ART

ART I **5 credits** **Grades 9, 10, 11, 12**

Art I 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.

ART 2 **5 credits** **Grades 10, 11, 12****Prerequisite: Art I**

For art students who wish to explore the making of fine art, this course focuses on student choices of media in order for the student to explore a specific concept in depth. It includes the continuation of the study of color, design, and composition in various media including computer graphics. Career and portfolio development are covered. Critique is required.

ART HISTORY AP **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.

STUDIO ART: 2D AP **5 credits** **Grades 11, 12****Prerequisites: Art I Required, Art 2 Recommended**

This course is designed for highly talented, self-motivated, creative art students who want to pursue an art career and/or art at the post-secondary level. Each student's main thrust will be to develop a portfolio showcasing that individual's talents in accordance with the Advanced Placement Program's specific criteria. The final outcome of this course will be a portfolio that will be suitable for review and rating by the Advanced Placement Examination committee. Students' work is informed and guided by observation, research, experimentation, discussion, critical analysis, and reflection, relating individual practices to the art world. Students are asked to document their artistic ideas and practices to demonstrate conceptual and technical development over time. The AP Studio Art Program supports students in becoming inventive artistic scholars who contribute to visual culture through art making. Students enrolled in AP courses are encouraged to take the AP test in May. For Studio Art this will include a portfolio.

DESIGNING APPS (semester) **2.5 credits** **Grades 9, 10, 11, 12**

This course focuses on mobile app development and challenges students in the design, implementation, and testing process using tools chosen for their superior interactive educational value. These tools such as Adobe Flash CS5, Accelerometer programs, and Google App Inventor, allow the students to achieve an unusual classroom success—the success of being able to design, implement, test, and immediately use their designs on technology already part of daily life. Students will develop applications for mobile phones and tablets in a computer information systems course. Students will see the value of programming and also learn to think like a programmer. This course can fulfill the 21st Century Life and Careers requirement or the Visual/Performing Arts requirement.

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

Students will utilize software programs included in Adobe Creative Suite to engage in project-based learning. Projects may include business collateral, advertising design and image manipulation. 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 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.

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 applying 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 a binder for sketches, contact sheets, shooting logs, handouts, research, and visual library. 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 through their projects. Critique is required.

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

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

Television and Video Production is designed to introduce students 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 guides 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, college credit may be awarded.**

BUSINESS/ FAMILY & CONSUMER SCIENCE**INTRO TO COSMETOLOGY****5 credits****Grades 9, 10, 11, 12**

Introduction and overview of cosmetology principles, procedures and hands on skills will be covered. Topics include hair styling implements, equipment, bacteriology, scalp abnormalities and diseases, corrective treatments, sanitation, sterilization, wigs and hair pieces, draping, basic sectioning, shampoos, rinses, finger waves, pin curls, braids, rollers, combing, brushing, blow drying, school safety, cosmetology safety, math skills, histology of hair and the composition, function, requirements and procedures of the State Board of Cosmetology and Hairstyles exam. Emphasis on safety and sanitation measures will be implemented in all instruction. Students may be required to do additional studio/lab time to meet the number of course hours required by the state. Instruction in all understanding of the structure, diseases and disorders of the skin, face, head, neck, bones, nerves, hands and nails will be explored. Topics include histology of skin, history of barber shaving, skin care, facial massage, trimming of facial hair (including beard and mustache, eyebrow, ear and nose hair trim), straight razor shave procedure, paraffin wax treatment, basic cosmetics, manicures, pedicures, artificial nails, nail disease/disorders, nail repair and any corrective treatments.

COSMETOLOGY I**10 credits****Grades 9, 10, 11, 12**

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 instruction. 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 instruction.

COSMETOLOGY II**10 credits****Grades 10, 11, 12****Prerequisite: Cosmetology I**

In this course student 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 instruction. 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 requirement. Additionally, students will prepare for the New Jersey State Board Exam

NUTRITION (semester)**2.5 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.

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 requirement. It can be fulfilled through taking this course or taking either Entrepreneurship or Economics H.

ECONOMICS HONORS 5 credits Grades 10, 11, 12

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.

ENTREPRENEURSHIP 5 credits Grades 10, 11, 12

This course is designed to teach students the basic ingredients of starting a business. Students will be expected to perform a needs assessment in relation to a business idea. Students will be expected to research all components of what goes into implementing a business decision. The course will culminate in students opening a pop-up store that will allow them to demonstrate mastery of skills earned in relation to business activities. This course may fulfill the Financial Literacy requirement.

EDUCATION

CAREER INTERNSHIP/FIELD EXPERIENCE 2.5 credits - 5 credits Grades 11, 12

The Career Internship is offered to 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. Interested students must obtain approval through the application process during the course selection period. This experience may be done outside of the student's typical school day. This course may be beneficial for students who have previously completed a CTE sequence.

CHILD DEVELOPMENT I*: Development Birth through Adolescence 5 credits Grades 9, 10, 11, 12

This course is designed to help students understand children and to provide them good quality care. It is important for one who cares for children, whether in the home as parents or as workers in a child-related occupation, to have knowledge of a child's growth and development in order to provide for them effectively. 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. There will also be regular textbook assignments. 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 in the Family & Consumer Sciences Department in which High School students, under the direction of a qualified teacher, 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 partner with parents in their child's education.

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

CHILD DEVELOPMENT II* HONORS 5 credits Grades 10, 11, 12

Prerequisite: Child Development I: Development Birth through Adolescence

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.**

ENGLISH

ENGLISH 1 HONORS

5 credits

Grade 9

Prerequisite: Honors Criteria & Possible Summer Assignments

Requirement: Students must be eligible by having achieved the prerequisite grades and test scores as indicated in the beginning of the Program of Studies. This course is designed for students who wish to pursue a college education, other training, or careers, 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. The students will also be required to read grade level or above complex texts, do extensive research and they are also expected to engage in reading challenging literary works, books and other forms of reading and writing outside of the English classroom.

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. 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. The students will also be required to read grade level complex texts, do research and they are also expected to engage in reading literary works, books and other forms of reading and writing outside of the English classroom.

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 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 3 (LANGUAGE & COMPOSITION) AP

5 credits

Grade 11

Prerequisite: Successful completion of English 1 and English 2. AP Criteria & Mandatory Summer Assignments.

Students should be able to read and comprehend college-level texts and apply the conventions of Standard Written English in their writing.

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. Students enrolled in AP courses are encouraged to take the AP test in May.

ENGLISH 3 CP

5 credits

Grade 11

Our literary heritage from Great Britain and its commonwealth countries provide the reading for this course. Students study early works as well as contemporary ones in order to come to an understanding of the development of western literary thought and history. The literature is arranged in the following themes: Heroism, The Monster Within, Influence of Society, Satire/Humor, and Lovers' Torment/Happiness. An integrated reading and writing approach is implemented. SAT review is included in the program. 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. Writing is addressed from a process approach and is assigned weekly. Formal literary criticism and research is required as well as imaginative writing. Students enrolled in AP courses are encouraged to take the AP test in May.

ENGLISH 4 CP **5 credits** **Grade 12**
World literature is the focus for the reading of this course. The literature is approached from a thematic vantage point, and includes Tragic Hero, Satire, Alienation, and Universal Meaning. 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 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, college credit may be awarded.**

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.

ENGLISH AS A SECOND LANGUAGE (double period) **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**
This semester course introduces students to the fundamentals of journalism. Students learn how to write news articles, feature articles, reviews, editorials, and op-ed articles. Furthermore, this course provides the foundation and procedures for publication in the school's newspaper. Students enrolled are encouraged to take leadership positions in the school's newspaper, becoming a contributing staff member after completing the course.

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.

THEATER ARTS (semester) **2.5 credits** **Grades 9, 10, 11, 12**
This one semester course is designed for those students who have an interest in theater. Students study acting, direction, lighting, make-up, costuming, set design, and set construction. Students will have an opportunity to apply what they learn in the theatrical productions planned for the year. They are encouraged to participate.

MATHEMATICS

ALGEBRA I CP **5 credits** **Grade 8, 9**
This course emphasizes the basic principles of Algebra 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 and provides a strong algebraic foundation for all subsequent mathematics courses.

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 Pre-Calculus 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 I skills is assumed. Students demonstrate algebraic applications using graphing calculators. This course is a prerequisite for Pre-Calculus Honors.

ALGEBRA II CP **5 credits** **Grades 10, 11**

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 Pre-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 MATHEMATICS CP (semester) **2.5 credits** **Grades 11, 12**

Prerequisite: Algebra II CP

This mathematics course is meant for those students who have completed Algebra II 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.

CONSUMER MATH **5 credits** **Grades 10, 11, 12**

This 3rd year math course will use Algebra 1 concepts, such as linear equations and exponential equations to help conceptualize budgets, bank accounts, and compound interest. Students will have the opportunity to run a school store or manage an actual budget by working closely with a local market.

GEOMETRY HONORS **5 credits** **Grades 9, 10, 11**

Prerequisite: Algebra I (Grade 8), Teacher Recommendation, Honors Criteria, & Possible Summer Assignment. Students requesting Geometry H program from Algebra I CP must meet Honors Criteria.

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.

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.

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.

PRE-CALCULUS CP **5 credits** **Grades 11, 12**

Prerequisite: Algebra I 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.

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 I CP (min. level), Algebra II CP (min. level), & Geometry CP (min. level)

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.

MUSIC THEORY AP* **5 credits** **Grades 10, 11, 12**

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.

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

PIANO I (semester) **2.5 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.

PIANO 2 (semester) **2.5 credits** **Grades 9, 10, 11, 12**

Prerequisite: Piano I

Piano II affords students the opportunity to continue the development of their technical and theoretical knowledge of piano playing, and music theory. While the introductory level provides students with a foundation in these areas, an advanced level would allow these topics to be explored in greater depth and detail.

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

This one semester course is designed for those students who have an interest in theater. Students study acting, direction, lighting, make-up, costuming, set design, and set construction. Students will have an opportunity to apply what they learn in the theatrical productions planned for the year. They are encouraged to participate. This course is a prerequisite for the Advanced Theater course. This also can serve to fulfill the Performing Arts requirement.

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 - multi-media 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.

NUTRITION (semester) **2.5 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.

WEIGHT TRAINING 101(semester) **2.5 credits** **Grades 11, 12**

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will learn the basic fundamentals of weight training, strength training, aerobic training, and overall fitness and conditioning.

SCIENCE

ANATOMY/PHYSIOLOGY CP (semester) **2.5 credits** **Grades 11, 12**

Prerequisite: Biology CP, Chemistry CP

This course focuses on research procedures and bio-techniques within the fields of Genetics, Human Physiology, Biochemistry, Micro-technique, Clinical Biology, Histology and Comparative Anatomy.

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.

BIOLOGY AP **7 credits** **Grades 11, 12**

Prerequisite: 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.

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.

FARM TO TABLE **5 credits** **Grades 10, 11, 12**

This course provides students with an in-depth knowledge of where food comes from, the advantages of buying local, various farming and production methods and how to continue to make the best sustainable and ethical ingredient choices throughout their culinary careers. Some highlights include working in the kitchen to create recipes from ingredients grown in the school's greenhouse.

CHEMISTRY AP **7 credits** **Grades 11, 12**

Prerequisite: Algebra 1 CP, Biology H, Chemistry H, meet AP Selection Criteria, & Mandatory Summer Assignment

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.

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 AP Chemistry.

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 IN THE COMMUNITY CP **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 class and may go into less detail.

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

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. This predominantly physical science course emphasizes those techniques needed to prepare students for chemistry and physics while integrating with their algebra and geometry sequence. General topics investigated will be earth science, basic physics concepts and introductory chemistry. Students will engage in hands-on projects in cooperative groups.

ENVIRONMENTAL SCIENCE AP* **7 credits** **Grades 10, 11, 12**

Prerequisite: Biology and Chemistry (Chemistry may be taken concurrently); teacher recommendation. Mandatory Summer Assignment.

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 (semester) **2.5 credits** **Grades 11, 12**

Prerequisite: Biology and Chemistry, or approval of the instructor. Chemistry can be taken concurrently with this course.

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.

ENGINEERING ESSENTIALS CP **5 credits** **Grades 9 -12**

This course is designed as a first-exposure experience to inspire students of all backgrounds to explore the breadth of engineering-related career opportunities. Throughout the course, students explore global engineering challenges and sustainability goals, the impact of engineering, and the variety of career paths available to them. The curriculum is offered through Project Lead the Way.

PHYSICS HONORS*** **7 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.

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

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.

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

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.

SOCIAL STUDIES

WORLD HISTORY HONORS**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.

WORLD HISTORY CP**5 credits****Grade 9**

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.

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. I 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 I CP**5 credits****Grade 10**

Students study the mid-19th century and early 20th century American History. The course begins with a study into the development of the 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.

GENERAL PSYCHOLOGY CP**5 credits****Grade 10, 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, classes will involve demonstrations, group work, role-playing, viewing research films and videos, and guest speakers.

U.S. HISTORY 2 AP**5 credits****Grade 11, 12****Prerequisite: US History I, 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.

U.S. HISTORY 2 CP**5 credits****Grade 11****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

PSYCHOLOGY AP **5 credits** **Grades 11, 12**

Prerequisite: Must meet AP selection criteria & Mandatory Summer Assignments. Current English and Social Studies course grades will be considered.

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.

ECONOMICS HONORS **5 credits** **Grades 11, 12**

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.

CRIMINAL JUSTICE CP* **5 credits** **Grades 9, 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. Multi-media resources and guest speakers will be an integral part of the course.

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

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

BASIC SKILLS **Grades 8, 9, 10, 11, 12**

Students who have been identified as needing improvement in Language Arts Literacy and/or mathematics may be placed in the Basic Skills Improvement Program. The program is highly individualized and is based on the assessed needs of the students. Students may be identified as having below average scores on NJSLA. These courses are designed for students to create content specific portfolios as outlined by the NJDOE. Portfolios will be submitted to the NJDOE in part to satisfy a graduation requirement.

SHORTENED SCHEDULE **0 credits** **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 counselor during their scheduling meeting for the upcoming school year. An application/parent signature form is required. An Administrator must review each request for final approval.

SPECIAL EDUCATION PROGRAM **Grades 8, 9, 10, 11, 12**

Special education is provided to 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, 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 classes (behavioral disabilities, learning and/or language disabilities, multiple disabilities).

STRUCTURED LEARNING EXPERIENCE ***Credits based on Admin. Approval** **Grades 10, 11, 12**
Structured Learning Experience 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.

TRANSITION PREPARATION **Grades 10, 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.

TECHNOLOGY

ARCHITECTURAL DESIGN **2.5 credits** **Grades 9, 10, 11, 12**
Drawing Instruments and Design Techniques (Compare and contrast the uses of architectural drafting equipment, sketching techniques, creating a floor plan, creating an isometric and perspective sketches). The World of Architecture (Identify the historical influences that helped shape today’s home design, discuss current trends and influences in architecture, student to research famous architect and build a birdhouse 3-D model to scale based on the style of that architect.) Basic House Design (Identify different types of residential dwellings from illustrations, understand the four basic house designs, compare and contrast advantages and disadvantages of each type. Create a Two-Story House Design in 2-D and then create a Tiny House project in 2-D and build a model to scale.) Room Planning (Use CAD or hand draw a living room floor plan, dining room floor plan, kitchen floor plan and bathroom floor plan. Student to measure their existing bedroom and then re-design it in CAD or hand draw. Then create a 3-D model of re-design.) Plot Plan (Reading maps using contour lines, how to locate a home on site and understanding the plot plan.) Footings, Foundations, and Concrete (Creating wall sections, making a wall section model and evaluating foundations.) The Foundation Plans (Identify the primary features included in a foundation plan and explain the purpose of footings, foundation walls, piers, columns and drains. Design and draw a foundation plan using traditional and then CAD methods.) Beams and Supports (Understanding that local and state code determine the size of footers and types of materials used to reinforce the strength of foundation. Determine proper size of a beam by using span charts and accessing structural loads. Make an architectural model of a simple floor joist system with balsa wood.)

BUILDING DESIGN & CONSTRUCTION **5 credits** **Grades 9, 10, 11, 12**
This course provides an understanding of construction types from fire resistive materials such as brick, block, concrete, and steel, to wood frame structures. These typical single family and multifamily residential or business occupancies may be balloon frame, “stick built” with full dimensional lumber, or engineered components. The structural members of floor and roof systems are discussed as they relate to their intended purpose and what they do under live and dead loads while under the stress of fire and suppression activities. Openings such as windows, doors, skylights, and ventilation shafts are discussed as they relate to the firefighting, search, and rescue profile.

CONCEPTS OF GAMING (semester) **2.5 credits** **Grades 8, 9, 10, 11, 12**
Bring e-Sports into the classroom. A school to career course that hones in on a gamer’s motor skills, game appreciation, health, and teaches gaming strategies and tactics to improve performance in their gaming and educational process. Students will learn communication skills, goal setting techniques, and be an advocate for scholastic acceptance of e-Sports.

INTRO TO CODING (semester) **2.5 credits** **Grades 9, 10, 11, 12**
This semester-long course explores the fundamentals of programming concepts and teaches introductory text-based coding using Python. Students will explore graphics-based problem solving.

COMPUTER SCIENCE 101 **5 credits** **Grades 9, 10, 11, 12**
This full-year course takes a deep dive into the fundamentals of programming concepts and teaches introductory text-based coding using Python. Students will explore graphics-based problem solving.

CONSTRUCTION SKILLS **5 credits** **Grades 9, 10, 11, 12**
Construction Skills is an instructional program that prepares an individual for employment or continued education in the occupations of Carpentry, Electrical Wiring, Masonry, or Plumbing. Construction Skills is a basic course teaching fundamentals of safety, tools, math, and basic carpentry, electrical, masonry, and plumbing skills.

LANDSCAPING SKILLS**5 credits****Grades 9, 10, 11, 12**

This course will allow each student to gain practical experiences in design and maintenance of various landscape situations. Areas of study will include; landscape drawing and design, safety, equipment operation, career exploration, turf and lawn care, irrigation and drainage, identification of landscape and turf plants, pests and diseases, job estimating and bidding, environmental planning and interpersonal skills. Students will be required to maintain a supervised agri-science experience project throughout the year.

FUNDAMENTALS OF OPTICS**5 credits****Grades 9, 10, 11, 12**

This course is an introduction to the optics and photonics industry with a focus on utilizing optical technology in devices and scientific research. Exploration into the history of optics provides context for how the study of light has reached the forefront of technological and scientific discovery. Students study terminology and the physical concepts necessary to understand how light is created, manipulated, and measured with the goal of constructing a foundation from which to delve further into the optics industry.

INTERIOR DESIGN STUDIO**5 credits****Grades 9, 10, 11, 12**

The goal of the course is to introduce the student to the profession of interior design. Students will gain an understanding of the elements and principles of interior design. Students will learn to make appropriate selections of color, fabrics, finishes, lighting, and furniture. Students will develop skills in architectural drafting and space planning through the use of hand and/or computerized drafting techniques. Students will apply math calculations to scale rooms and create floor plans for a variety of spaces.

DRAFTING/CAD I**5 credits****Grades 9, 10, 11, 12**

This course is offered to any interested high school student. Students will be introduced to drafting as a design communications tool in this course. They will gain a working knowledge of two-dimensional and isometric hand drawing and CAD operations. To explore both traditional drafting and computer-aided drafting, students will create hand drawings through both multi-view and isometric drawings. In addition to being able to construct these drawings, students will develop the ability to interpret complex engineering designs. Additionally, they will experience real world research and communications that are necessary to be successful in an increasingly technological world. By the end of this course, students will have learned the fundamentals of drafting for engineering in addition to an appreciation of architectural design.

WORLD LANGUAGE**FRENCH 2 CP****5 credits****Grades 9, 10, 11, 12****Prerequisite: French 1**

French 2 will further develop the communication skills and cultural knowledge students have acquired in French 1. While students will be expected to understand, speak and write French with increasing accuracy, instruction will focus upon meaningful interaction and creative use of the language rather than memorization of grammar rules. Much of the communication in the classroom will be in the target language, and students are encouraged to speak French as often as possible. In addition to increasing proficiency in the present tense and *futur proche*, students will use the *passé composé* and *imparfait* to narrate and describe events in the past.

FRENCH AP**5 credits****Grades 11, 12****Prerequisite: French 2 CP, Honors Criteria & Mandatory Summer Assignments**

AP French Language and Culture is equivalent to an intermediate level college course in French. Students cultivate their understanding of French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Students enrolled in AP courses are encouraged to take the AP test in May.

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**

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 HONORS**5 credits****Grades 9, 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 3 CP**5 credits****Grades 9, 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 LANGUAGE & CULTURE AP**5 credits****Grades 10, 11, 12****Prerequisite: Honors Criteria & Mandatory Summer Assignments**

Students may apply to the Spanish AP course after successful completion (A+, A, A-) of Spanish 3. 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.

APPENDIX

- Honors Application
- Shortened Schedule Form
- Sussex County Community College Concurrent Application
- Option II
- CTE Programs

Hopatcong High School Honors Application

Name _____

Current Grade Level 9 10 11 12

Date _____

GPA _____ Rank _____ Out Of _____

Applications are due **March 31, 2021** to your School Counselor.

Course(s) Desired: Please write the course name in the space provided.

English _____

Social Studies _____

Mathematics _____

Science _____

World Language _____

Directions:

1. All applications must be submitted by the date indicated above.
2. Student will obtain this application from his/her counselor.
3. Student will complete page 1, read page 2, and complete top of page 3.
4. Student will give application to current subject teacher for review.
5. Teacher will complete page 3 and return the packet to the counselor.
6. Counselor will review application, sign and date it, and give it to the Principal for review.
7. Principal will determine eligibility and will return to the counselor.
8. If course is approved, counselor will make necessary schedule change for the next school year.
9. Students should check back for an outcome on the application in 2 weeks.

For Office Use Only After All Parts Are Completed:

Counselor Review _____ Date: _____

Principal Review _____ Date: _____

Approved: Yes (Signature)
 No

Notes:

To the Parent & Student: Please read the following & sign below

Admission to the Honors program requires several criteria. These criteria include the following:

1. A commitment to academic achievement.
2. At least an “A – “in your current College Prep course.
3. An understanding and acceptance of the time the course involves, both in terms of study time and homework.
4. Teacher and counselor recommendations.
5. A teacher interview, if necessary.
6. Performance on academic achievement tests.
7. Parental approval and support.

As many indicators of academic performance as possible are used as entrance criteria; no single item is ever the sole criterion for selecting the Honors student. Three questions are considered in the selection of Honor students:

- Does the student have sufficient general ability and stamina?
- Has he/she adequate academic preparation?
- Has he/she sufficient motivation and maturity?

Please explain why you would like to be in the Honors Program in the space below. *Remember applications are due by the date indicated on Page 1. You may cut and paste to fit into the space provided if you are typing.*

I have read the admission policy and understand that I/ my child will need more time to complete the homework for Honors courses than he or she would need in college preparatory courses.

Parent/Guardian Signature

Student Signature

Hopatcong High School
Shortened Schedule Application

You must complete the following application & return it to your counselor
by **March 31, 2021**

NAME: _____

Date: _____

I _____ give my son/daughter permission to leave
(*Parent Name*)
early or arrive late during his/her senior year of high school which is the 2021-2022
school year. I understand that depending upon scheduling, my child may have the
course *Late Arrival* or *Early Release* in his/her schedule

I have reviewed his/her graduation requirements and/or have communicated with
the School Counselor.

Parent/Guardian Signature

SUSSEX COUNTY COMMUNITY COLLEGE – Concurrent Courses

Please highlight your choice(s) below:

<i>HHS Course Name</i>	<i>SCCC(CC) Course Number</i>	<i>SCCC(CC) Course Name</i>	<i>Credits</i>	<i>Payment</i>
<i>English IV AP</i>	<i>ENGL 101 ENGL 102</i>	<i>English Comp I English Comp II</i>	<i>3 3</i>	<i>SCCC will bill the families directly.</i>
<i>Sociology CC</i>	<i>SOCA 101 SOCA 150</i>	<i>Introduction to Sociology Contemp. Issues in Sociology</i>	<i>3 3</i>	<i>SCCC will bill the families directly.</i>
<i>Child Development I Child Development I</i>	<i>CDEV 101 CDEV 160</i>	<i>Intro. to Early Childhood Ed. Child Nutrition & Health</i>	<i>3 3</i>	<i>SCCC will bill the families directly.</i>
<i>Child Development II</i>	<i>CDEV280</i>	<i>Child Care Internship</i>	<i>3</i>	<i>SCCC will bill the families directly.</i>
<i>TV/Video Production</i>	<i>COMM130</i>	<i>Television Production I</i>	<i>3</i>	<i>SCCC will bill the families directly.</i>
<i>Criminal Justice</i>	<i>CRJS100</i>	<i>Introduction to the Criminal Justice System</i>	<i>3</i>	<i>SCCC will bill the families directly.</i>
<i>Environmental Science AP</i>	<i>BIOS122</i>	<i>Environmental Science</i>	<i>4</i>	<i>SCCC will bill the families directly.</i>

I. Tuition

- A. English 4 (CC) = 6 college credits
- B. Sociology (CC) = 6 college credits
- C. Child Development 1 (CC) = 6 college credits
- D. Child Development 2 (CC) = 3 college credits
- F. TV/Video Production (CC) = 3 college credits
- G. Criminal Justice (CC) = 3 college credits
- H. Environmental Science (CC) = 4 college credits

II. Application

- Paper applications are no longer accepted. The application for concurrent courses is available online and families will be billed directly by SCCC for payment. Please see your school counselor for more information.

III. Transcripts

- The SCCC course will be listed on the high school transcript. To document the earned college credits, students must request an SCCC transcript from the Registrar Office 973-300-2217.

OPTION II

The New Jersey Department of Education (NJDOE) recognizes and acknowledges that all students will not achieve Core Curriculum Content Standards (CCCS) in the same manner and/or with the same level of success. To this end, the Hopatcong Borough School District is permitted to allow students with individualized learning opportunities outside of the traditional classroom that are stimulating and challenging and that enable students to meet or exceed the Core Curriculum Content Standards. This is commonly referred to as,

“**Option II.**” Option II allows for the design and implementation of programs to meet the needs of **all** students.

Students are permitted to earn credit toward graduation through Option II learning experiences. Participation in Option II is predicated on the application process through which students seek approval. The process for application, evaluation and assessment is detailed in the following document:



CTE PROGRAMS

We are very proud to offer Career and Technical Education (CTE) programs at Hopatcong High School. Our goal for Hopatcong's CTE programs is to prepare our students for careers in high demand fields. In order to best prepare our students, each of our CTE programs have been officially approved by the New Jersey Department of Education, and as such include a 3-course sequence, a Career and Technical Student Organization, a College Articulation Agreement, a Structured Learning Experience, and a Third Party/Industry Assessment.

For more about our CTE Programs please visit our CTE website via the QR code below:

