

# HOPATCONG HIGH SCHOOL

## *Curriculum Handbook January 2017 Edition*

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*All courses are offered without regard to race, color, national origin, sex or handicap*

# 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

During the school year, the following requirements are in effect: All students are required to carry a minimum of 30 credits. All freshmen, sophomores, juniors and seniors are required to sign up for a lunch period. All courses count toward students grade point average and class rank except Gifted and Talented and Independent Studies. Class rank is determined by grade point average. Grades in Honors and AP courses are weighted.

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## **HONORS CRITERIA**

### **From a College Preparatory Level Course:**

- To register for an Honors class, students enrolled in CP level classes must complete an application. This will be done when the student meets with his/her counselor in January/February to schedule courses for the upcoming school year. Applications will be reviewed by the Director of Guidance for final decisions and will have a teacher recommendation component. Counselors will do an initial screening and then students must submit their application by the end of February of the current school year.
- To be eligible, candidates must have a minimum of a “A -” average in the appropriate subject area at the time of scheduling.

Most Honors courses have mandatory summer assignments. Any student who is unprepared on the first day of school and/or who does not complete a summer assignment may be removed from the course and placed in a CP level class.

### **To apply for freshman honors classes**

- To be eligible for honors, candidates must, at the time of scheduling, have a minimum of a “B+ average in the appropriate subject area along with teacher recommendation. Additionally, all successful candidates must have a “Proficient” score on all sections of the NJ ASK 8, administered during the spring of the eighth grade. The candidates will maintain a minimum “B+” average for the remainder of the school year.

### **Continuation in an honors class:**

- To be eligible for continuation in an honors class, a student must, at the time of scheduling, have a minimum grade level of “B+” in his/her current honors class. Additionally, students must demonstrate satisfactory performance on standardized tests administered by the school district. 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**

- Students must already be in the Honors track or apply as outlined above. Students must have a final grade of A-, A, A+ in a prerequisite class. A portfolio and/or interview with the AP instructor, as well as the completion of the summer assignment, are also entrance criteria.
- Once enrolled in an AP course, students must earn at least a “C” at the end of the first marking period (considered a probationary period). Students not earning a minimum grade of “C” at the end of the first marking period may be dropped from the course. All of the AP courses have mandatory summer assignments that will be given in the preceding school year. Students enrolled in AP courses are highly encouraged to take the AP exam.

## **COLLEGE PREPARATORY CRITERIA**

Students are expected to maintain a C or better in College Preparatory courses. Counselors will review quarterly grades and teacher recommendations to discuss future or continued course placement.

## **LEVEL CHANGES**

Level changes can be made up until the end of MP 1. After MP 1, there should be NO level changes, except under the most extraordinary circumstances. In such a case, the grade at the time of withdrawal must be noted on the academic transcript as WP (withdrew passing) or WF (withdrew failing).

## **HIGH SCHOOL SCHEDULING TIMELINE:**

January – February	Scheduling begins for all student entering grades 9-12 next year
May 1	Deadline to change your course requests
August	Schedules will be mailed home to students in grades 9-12
End of August	Students may change elective choices (only for the same period)

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

<b>NOTE:</b> No specific requests for a teacher, lunch periods, or PE classes will be honored.
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# GRADUATION REQUIREMENTS

(BOARD OF EDUCATION POLICY NO. 5460)

Each student (grades 9-12) is required to schedule a minimum of thirty (30) credits during each year of attendance at Hopatcong High School.

Please see the chart below for the State of New Jersey graduation requirements. State testing requirements are subject to change.

<i>School Year</i>	<i>2017-18</i>
<i>Graduating Class of</i>	<i>2018-2021</i>
	<i>Credits</i>
<i>English</i>	20
<i>Science</i>	5 <i>Biology</i> 5 <i>Chem, Earth Science</i> 5 <i>Lab Science</i>
<i>Social Studies</i>	15
<i>Financial Literacy</i>	2.5
<i>Physical Education &amp; Health</i>	20
<i>Visual &amp; Performing Arts</i>	5
<i>World Language</i>	10
<i>Math</i>	5 <i>Algebra I</i> 5 <i>Geometry</i> 5 <i>Algebra 2/Equivalent</i>
<i>Career-Technical Education</i>	5
<i>Community Service 10 hours each year</i>	2.5
<i>Electives</i>	12.5
<i>Total Credits</i>	<b>122.5</b>
<b><i>NJ State Testing</i></b>	
<i>PARCC English Language Arts/Equivalent Assessment</i>	<i>Demonstrate Proficiency</i>
<i>PARCC Mathematics/Equivalent Assessment</i>	<i>Demonstrate Proficiency</i>

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

**VISUAL**

AP Studio Art  
Art 1, 2, 3, 4  
Digital Arts 1, 2  
Photography (*semester*)  
Sculpture  
Video Game Design/Development (*semester*)  
Visual Story Telling (*semester*)

**PERFORMING ARTS**

Acting/Playwriting ( <i>semester</i> )	AP Music Theory
Advanced Theater	Piano 1 ( <i>semester</i> )
Concert Band	Piano 2 ( <i>semester</i> )
Fall Chorus ( <i>semester</i> )	Spring Chorus ( <i>semester</i> )
Music Theory CP	Theater Arts ( <i>semester</i> )

**21<sup>st</sup> CENTURY LIFE & CAREERS**

Accounting	Criminal Justice	Journalism ( <i>semester</i> )
American Culture & 21 <sup>st</sup> Century Learner	Culinary Arts I, II ( <i>semester</i> )	Political Theory
Athletic Training ( <i>semester</i> )	Designing Apps ( <i>semester</i> )	Public Speaking ( <i>semester</i> )
Business 101 ( <i>semester</i> )	Economics H	Principles of Engineering
Business & Consumer Law	Fashion Design ( <i>semester</i> )	Sports Marketing ( <i>semester</i> )
Business/Marketing	Fashion Marketing ( <i>semester</i> )	Tomorrow's Teachers H - CC
Career Internship	Forensic Science CP ( <i>semester</i> )	Transition Prep
Child Development I, II	Forensic Psychology CP ( <i>semester</i> )	TV/Video Production CC
Computer Applications ( <i>semester</i> )	Intro to CAD & Wood Sculpture	Website Design ( <i>semester</i> )
Creative Cooking & Baking ( <i>semester</i> )	Intermediate CAD & Wood Sculpture	
Creative Writing ( <i>semester</i> )	Intro to Computer Science	

**FINANCIAL LITERACY**

Financial Literacy ( <i>semester</i> )	Economics Honors
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# COMMUNITY SERVICE REQUIREMENT

## For the Class of 2018 & Beyond

Hopatcong High School has committed to partnering with the Hopatcong community to create a community service program that allows students to gain volunteer hours while earning credits toward high school graduation. Students in the graduating class of 2018 and beyond are required to participate in independent volunteer work for high school graduation credit.

### Program Requirements:

1. All students in the Class of 2018 and beyond must fulfill this requirement.
2. Service may not be done for family members or financial gain.
3. **Each year**, community service must be logged and verified by the student using the *HHS Volunteer Record Form*.
4. **Each year**, community service must be pre-approved and verified by the student's guidance counselor prior to beginning the volunteer work.
5. Once the community service is approved, the student must get their community service advisor, contact person, or organization representative to complete the *HHS Community Service Commitment Form* and submit it to the student's guidance counselor prior to beginning the volunteer work. This is must be done **each year**.
6. **By June 1 of each year**, the guidance counselor will verify that the student completed 10 hours of community service. This procedure will continue for four years to accumulate and record the community service requirement of 40 hours. Students must complete at least 10 hours per year.
7. Upon completion of 40 volunteer hours (10 hours per year), 2.5 credits will be granted for graduation.
8. A grade of Pass/Fail will be earned.
9. Each student must participate in 10 hours of community service during each school year.
10. All required documents are available at [www.hopatcongschools.org](http://www.hopatcongschools.org). Click on the Academics tab for more information.

# Hopatcong High School

## Suggested 4 year Course Sequence

<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 the equivalent	5	Geometry or the equivalent	5
Biology	5	College Prep Science	5
World Language	5	World Language	5
Career or Arts Elective/Financial Literacy	5	Career or Arts Elective/Financial Literacy	5
Lunch		Lunch	
	35		35

<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	5	College Prep Math Elective	5
College Prep Science	5	College Prep Science Elective	5
US History II	5	College Prep Social Studies Elective	5
World Language/Elective	5	World Language/Elective	5
Elective	5	Elective	5
Lunch		Lunch	
	35	**Early Release with parent approval	35

**\*Community Service hours should be done after school. A minimum of 10 hours of service must be completed each year.**



# MATH SEQUENCES

Some individual students may vary in their sequencing of math courses.

<b>Grade</b>	<b>Honors Option</b>	<b>CP Option 1</b>	<b>CP Option 2</b>	<b>General I</b>	<b>General II</b>
8	Algebra I <i>Teacher Recommendation</i> <i>Final Average = A to B</i>	Algebra I <i>Teacher Recommendation</i> <i>Final Average = B to C</i>	Math 8 <i>Final Average =A to B-</i>	Math 8 <i>Final Average = C+ to C-</i>	Math 8 <i>Final Average = D+ or below</i>
9	Geometry H	Geometry CP	Algebra 1 CP	Algebra 1 Concepts CP	Foundations of Algebra
10	Algebra 2 H	Algebra 2 CP Algebra 2 Concepts CP	Geometry CP Geometry Concepts CP	Geometry Concepts CP	Algebra 1 Concepts
11	Pre-Calculus H AP Stats	Pre-Calculus CP/ AP Stats College Math/Prob Stats	Algebra 2 CP Algebra 2 Concepts CP	Algebra 2 Concepts CP	Geometry Concepts
12 Electives	<i>Elective Choices:</i> AP Calculus AB AP Stats Calculus CP College Math/Prob Stats	<i>Elective Choices:</i> Calculus College Math/Prob Stats AP Stats Algebra 2	<i>Elective Choices:</i> Pre-Calculus CP College Math/Prob Stats Consumer Math	<i>Elective Choices:</i> College Math/Prob Stats Consumer Math	Algebra 2 Concepts CP Applications of Algebra & Geometry

## SCIENCE SEQUENCES

<u>Grade</u>	<u>Honors</u>	<u>CP</u>
8	Science 8 <i>Teacher Recommendation</i> <i>Final Average = A- or higher</i>	Science 8 <i>Teacher Recommendation</i> <i>Final Average = B+ to C-</i>
NJ ASK8 Science Scores	Advanced Proficient	Advanced Proficient/Proficient
9	Biology H	Biology CP
10	AP Biology and/or Chemistry H	Chemistry CP or Chemistry in the Community CP Physics CP or Physics Essentials
11	AP Chemistry and/or AP Physics 1	Chemistry CP or Chemistry in the Community CP Physics CP or Physics Essentials
12 Electives	AP Physics 1 AP Physics 2 Anatomy & Physiology CP Environmental Science CP Forensic Science CP Organic Chemistry ( <i>semester</i> )	Anatomy & Physiology CP Environmental Science CP Forensic Science CP Physics CP Organic Chemistry ( <i>semester</i> )

## SOCIAL STUDIES SEQUENCES

Listed below are suggested social studies sequences.

<u>Level</u>	<u>Grade 8</u>	<u>Grade 9</u>	<u>Grade 10</u>	<u>Grade 11</u>	<u>Grade 12</u>
H	Language Arts 8 ADV <i>Final Average = B+ or higher</i> Social Studies 8 ADV <i>Final Average = B+ or higher</i> <i>Teacher Recommendation Required</i>  <b>OR</b> Language Arts 8 <i>Final Average = A- or higher</i> Social Studies 8 <i>Final Average = A- or higher</i> <i>Teacher Recommendation Required</i>	English 1 Honors & World History Honors	U.S. History 1 H	AP U.S. History 2	Psychology AP Sociology CC
CP	No requirements	English 1 CP & World History CP	U.S. History 1 CP	U.S. History 2 CP	Forensic Psychology Criminal Justice

# ART

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**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.

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**ART 2** **5 credits** **Grades 10, 11, 12****Prerequisite: Art I and/or permission from Art Supervisor**

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.

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**AP STUDIO ART: 2D** **5 Credits [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.

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**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 class. Students will see the value of programming and also learn to think like a programmer.

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**DIGITAL ARTS 1** **5 credits** **Grades 10, 11, 12****Prerequisite: Sculpture, Art 1 and/or permission from Art Supervisor**

This course is intended for students interested in graphic arts and the computer. Students address fine and graphic arts through the manipulation of software programs such as Photoshop, Fractal Design Painter, Creative Suite 2, Illustrator, and In Design. Class work includes color theory, digital photography, and the composition of fine art. Critique is required.

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**PHOTOGRAPHY I (semester)** **2.5 credits** **Grades 10,11, 12****PREREQUISITE: Art I & teacher recommendation.**

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.

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**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.

**VIDEO GAME DESIGN & DEVELOPMENT** (semester) **2.5 credits** **Grades 9, 10, 11, 12**

This course is designed to give students a sense of design and art, plus the technical know-how to build an exciting video game. It is an appropriate starting point for students who seek a professional career as a game developer. It is also well-suited for enthusiastic amateurs and gamers looking to explore this exciting field. No prior game or graphics programming experience is necessary. Students work with a game engine software framework to design and implement several kinds of games. Additional topics include animation techniques, physics simulation, user controls, graphical methods, and intelligent behaviors

**VISUAL STORYTELLING** (semester) **2.5 Credits** **Grades 10-12**

**[Prerequisite: Art 1; successful completion of Global English]**

In this course students will explore various themes in literature, story-telling and personal experiences through the creation of art. They will use traditional illustration, photography, cartooning, and book making skills to convey their ideas, and translate written works into visual concepts. Students will also have the opportunity to write their own narratives in the form of graphic novels and cartoons.

# BASIC SKILLS

## **ENGLISH LANGUAGE ARTS SKILLS**

**2.5 credits**

**Grades 10-12**

This remedial course is for students who have not made satisfactory progress passing the High School PARCC Assessments in English Language Arts. Students enrolled in the course during their senior year use this time to work on the ELA Portfolio, an alternate method of demonstrating English proficiency for graduation, administered during this course. Students who successfully completed the ELA Portfolio are permitted to drop this course at the start of Semester 2. This course cannot be used to satisfy NJDOE HS ELA graduation requirement of 20 credits.

## **MATH SKILLS**

**2.5 credits**

**Grades 10-12**

This remedial course is for students who have not made satisfactory progress passing the High School PARCC Assessments in Mathematics. Students enrolled in the course during their senior year use this time to work on the Math Portfolio, an alternate method of demonstrating math proficiency for graduation, administered during this course. Students who successfully completed the Math Portfolio are permitted to drop this course at the start of Semester 2. This course cannot be used to satisfy NJDOE HS Math graduation requirement of 15 credits.

# **BUSINESS EDUCATION**

**BUSINESS 101** (semester) **2.5 credits** **Grades 9, 10, 11, 12**

This course is designed to explore what students must know about themselves and business in order to be successful small business owners (entrepreneurs). Students will cover the topics of understanding the important personal qualities necessary to be successful business owners, choosing a business, organizing their business, understanding their markets and competitors, marketing their products and services, and planning their financial needs.

**COMPUTER APPLICATIONS** (semester) **2.5 credits** **Grades 9, 10, 11, 12**

This course serves as the minimum requirement in learning how to utilize technology. Included in this course will be projects in the following areas: Microsoft Office (which includes Word, PowerPoint, Excel, and Internet Research). Assigned projects will be designed to demonstrate current application of complete technology used in business and in college.

**FINANCIAL LITERACY** (semester) **2.5 credits** **Grades 9, 10, 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.

# EDUCATION

## **AMERICAN CULTURE & the 21<sup>st</sup> CENTURY LEARNER                      5 Credits                      Grades 9,10,11,12**

This course is designed to expose students to various career options as well as provide extra academic support. Work-based learning experiences facilitating students' career awareness, career planning and development of career decision-making skills will be reviewed in this course. Structured school experiences are intended to help students develop skills necessary to communicate and solve problems in the workplace, as well as to introduce workplace competencies, positive work attitudes and employability skills in the context of a real work environment. Learning strategies will also be reinforced in this course. Students are taught skills/strategies that prepare them for learning, including an understanding of individual learning styles, responsibility, time management and organizational skills. Subsequent units of instruction focus on strategic approaches to test-taking, note-taking, concentration and memory techniques. Students are provided direct instruction, guided practice and opportunity for transfer of strategy. An emphasis is placed on application of skill/strategies to students' course materials. Students are encouraged to develop self-advocacy skills.

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

The Career Internship is offered to those students who are enrolled in the Future Teachers Academy Program. This course offers students the opportunity to get "hands-on" experience in the professional realm, in addition to utilizing the acquired skills obtained through the Academy. The intention of this mentoring internship is to provide authentic learning experiences preparing students for higher education or employment in the field of education.

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

### **Prerequisite: Childcare selection process – Application required**

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 Pre School 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 class 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 Pre-School Program. This course provides an opportunity for High School students to apply learning theory learned in the Child Development classroom, use effective early childhood instructional strategies and make parents partners 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. Preference will be given to students enrolled in the Future Teacher's Academy program.

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

## **TOMORROW'S TEACHERS HONORS                      5 credits                      Grades 10,11, 12**

### **Prerequisite: Child Development I**

This course is designed to introduce the beginning student to the field of education The course is being offered to Juniors and Seniors who want to become teachers. The course is an overview of what educators learn in college, including lessons on multiple intelligence, learning barriers, classroom observations and pedagogy. Preference will be given to students enrolled in the Future Teacher's Academy program.

**Additionally, upon successful completion of course requirements, 3 college credits will be awarded by Fairleigh Dickinson University.**



# ENGLISH

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**ENGLISH 1 HONORS** **5 credits** **Grade 9****Prerequisite: Honors Criteria & Mandatory 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.

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**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.

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**ENGLISH 2 HONORS** **5 credits** **Grade 10****Prerequisite: Honors Criteria & Mandatory 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.

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**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.

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**AP ENGLISH 3 (LANGUAGE & COMPOSITION)** **5 credits** **Grade 11****Prerequisite: Successful completion of English 1 and English 2. AP Criteria & Mandatory Summer Assignments & Writing Portfolio 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.

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**ENGLISH 3 HONORS** **5 credits** **Grade 11****Prerequisite: Honors Criteria & Mandatory Summer Assignments**

This course focuses on the development of English literature in order to understand our philosophical and intellectual literary history. Writing is approached from a workshop model and is assigned on a consistent and regular basis. Critical thinking is stressed. SAT review is provided. Students are expected to complete writing portfolios. Formal research is required.

**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 (CC)****5 credits****Grade 12**

**Prerequisite: Must have a minimum 3.0 GPA, SAT scores of: CR=540 and M=530 or appropriate scores on the College Accuplacer Test. There will be a Mandatory Summer Assignment. "CC" stands for Concurrent Enrollment for Sussex County Community College.** This course is designed as a freshman composition and literature course that will offer students six credits from Sussex County Community College upon successful completion. Research papers are required. Tuition check is required at registration.

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

**Prerequisite: AP Criteria & Mandatory Summer Assignments & Writing Portfolio**

Students may apply to AP English after the successful completion (A-, A, A+; teacher recommendation and portfolio) of English 3 Honors. They will submit a writing portfolio as part of the application procedure. Students enrolled in Advanced Placement are required to take the College Board Advanced Placement test in May. 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. Failure to take this test will result in denial of A.P. credit.

**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 ELECTIVES

### ACTING/PLAYWRITING WORKSHOP (semester) 2.5 credits Grades 9, 10, 11, 12

This one semester course enables students to study theater, acting and playwriting in greater depth than Theater I. Students sharpen their acting skills as well as their writing skills in a workshop atmosphere. The students study great plays written by renowned playwrights, both classic and contemporary. Additionally, students have an opportunity to write and perform their own plays in developmental stages in accordance with the writing process.

### ADVANCED THEATER ARTS 5 credits Grades 10, 11, 12

**Prerequisite: Theater Arts** This course is designed for those students who wish to refine their working knowledge of the theater and strengthen their creative talent. Students study the areas of theater in greater depth and are responsible for projects with an increased degree of sophistication than in Theater I. All students enrolled in this course are encouraged to participate in the theatrical productions.

### 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 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 expected to take leadership positions in the school's newspaper, becoming a vital staff member after completing the course.

### LITERATURE & FILM (semester) 2.5 credits Grades 11, 12

**Prerequisite:** Successful completion of English 1 & English 2.

An integral part of human culture is the art of storytelling. The vehicle - written, spoken, or acted on stage or screen - through which we deliver these stories, however, has a strong influence on the way they are approached and interpreted. *Literature and Film* studies the diversified ideas and concepts that interact when literature is adapted to film or when a work of literary art is originally conceived for film presentation. This course will cover the impact of film on the ways people perceive the human condition, as it considers the following: a history of film as a medium of literary interpretation, a study of the visual interpretations of literary techniques and auditory language in films, as well as the limitations and special capacities of moving between film and literature.

### PUBLIC SPEAKING (semester) 2.5 credits Grades 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 an consistent component of this course.

**ROCK, RAP & POETRY** (semester)**2.5 credits****Grades 11, 12**

**Prerequisite:** Successful completion of English 1 & English 2.

In this semester course, students will examine the global value of music and poetry and heighten their understanding of language's musicality. In order to gain an awareness of the significance of the written word, students will examine the impact of music and poetry through historical, political and social means. Non-fiction, visual and performance-based strategies allow students to appreciate censorship, politics, gender issues and social responsibility that have and continue to shape culture.

**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.

# FAMILY & CONSUMER SCIENCE

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

### **Prerequisite: Childcare selection process – Application required**

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 Pre School 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 class 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 Pre-School Program. This course provides an opportunity for High School students to apply learning theory learned in the Child Development classroom, use effective early childhood instructional strategies and make parents partners 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. Preference will be given to students enrolled in the Future Teacher's Academy program.

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

## **CULINARY ARTS I (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.

\*Upon successful completion of the course requirements, college credits may be awarded.

## **CULINARY ARTS II (semester)      2.5 credits      Grades 9, 10, 11, 12**

### **Prerequisite: Culinary Arts I.**

This course is designed to extend knowledge in the area of baking arts through cake decorating, developing critical comparisons in baked products and advanced preparation in breads, cakes, pies and pastries. Students will have the opportunity to explore the eating traditions, cooking methods, spices, and life style of the people of the world and regions within the United States and will learn through research and food preparation of traditional meals. Students will learn the cultural, social and geographic factors that influence food choices and define a country's cuisine. Foreign and domestic cuisines will be studied with food preparation from areas including: Europe, Asia, South America, Australia, and regions of the United States.

\*Upon successful completion of the course requirements, college credits may be awarded.

## **CREATIVE COOKING & BAKING (semester)      2.5 Credits      Grades 10-12**

### **Prerequisites: Culinary Arts I & II**

The content of this course offers students an opportunity to broaden their understanding of food preparation, experimentation, and presentation while building upon the skills acquired in the prerequisite courses, Culinary Arts I & II. The course will explore the artistic techniques of cooking and baking and introduces creative uses and presentation of foods for entertaining and appearance.

# MATHEMATICS

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**ALGEBRA I CONCEPTS CP** **5 credits** **Grades 9**

Algebra I Concepts CP is designed for the student who has difficulty mastering mathematical concepts and skills on the abstract level, but who is able to gain understanding through concrete and representational models. Students will develop depth of understanding of algebraic concepts and procedures through communication, reasoning, making connections, problem solving and technology integration. Topics include the properties of operations on real numbers and expressions, linear and nonlinear functions, inequalities, patterns, polynomials, data analysis and probability, and linear, quadratic and exponential equations and their graphical models. Knowledge of fundamental arithmetic without the use of a calculator and pre-algebra skills are required. This course is paced for the average ability student who has successfully completed a Foundations of Algebra course or Grade 8 Math course.

\*\*\* - Replacing Algebra 1 CP Part A and Algebra 1 CP Part B sequence.

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**ALGEBRA I CP** **5 credits** **Grade 9**

**Prerequisite: Teacher recommendation & NJ ASK 8 Test Results**

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. Knowledge gained in Algebra I will prove extremely helpful in most level 3, 4, and 5 science courses.

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**ALGEBRA II HONORS** **5 credits** **Grades 9, 10,11**

**Prerequisite: Geometry H and Algebra I H, Honors Criteria & Mandatory 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 1 skills is assumed. Students demonstrate algebraic applications using graphing calculators. This course is a prerequisite for Pre-Calculus Honors.

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

**Prerequisite: Geometry CP and Algebra I CP or Algebra 1 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.

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**ALGEBRA II CONCEPTS CP** **5 credits** **Grades 10, 11, 12**

**Prerequisite: Algebra 1 and Geometry**

Algebra II Concepts is designed for those students who plan to attend college and require additional background in Algebra concepts. This course will enable students to continue their mastery of skills introduced in Algebra I. Students will apply learned skills to Algebra II topics and related word problems. This course is not designed for the student who plans to take Pre-Calculus. Students completing this course will have mastered topics necessary for successful transition into math electives. Graphing calculators will be utilized throughout the course while covering the four main content areas: solving equations, graphing, exponents and quadratics.

**APPLICATIONS OF ALGEBRA AND GEOMETRY**      **5 credits**      **Grades 11,12**

**Prerequisite: Algebra I Concepts CP and Geometry Concepts CP**

The course is designed for students who have completed geometry and who have difficulty mastering abstract mathematical concepts and making connections to concepts in new situations. This course develops and then applies the algebraic concepts of linear and non-linear functions, concepts of statistics and probability, data matrices, optimization, geometric concepts of drawings, architecture, maps, measurements, and transformations. There is an emphasis on developing both a fundamental understanding of these concepts and their application to real-world problem solving, using a project-based, hands-on approach. This course does not meet prerequisites for Pre-Calculus or Probability and Statistics/ College Mathematics courses. A student may elect to take Algebra 2 Concepts CP after completing Applications of Algebra and Geometry if he/she achieves a grade of 80 or above.

**CALCULUS CP**      **5 credits**      **Grade 12**

**Prerequisite: Algebra I CP, Algebra II CP, Geometry CP, & Pre-Calculus CP**

This Calculus course is designed to give students an overview of the first semester of college-level Calculus. Included in this course are an in-depth review of analytic Geometry, Trigonometry, and functions. The concepts of limit, continuity, derivative and integral are introduced. Limited applications involving extreme values, related rates, velocity, acceleration, area, volume, and exponential growth model are investigated. Good algebra skills and geometric understanding are necessary. The course prepares students for a college Calculus course.

**AP CALCULUS**      **5 credits**      **Grade 12**

**Prerequisite: Pre-Calculus Honors, meet the AP selection criteria, & Mandatory Summer Assignment**

This Calculus class is designed to provide students with college-level Calculus AP studies while still in high school and aligns to the content outlined by the College Board. Calculus is the branch of mathematics dealing with change and motion. It is the tool of science and economics. Calculus is useful in sociological and psychological careers as well as those professions dealing with engineering and high technology. It is a prerequisite for further study in all branches of higher mathematics. Given the present state of technology, instruction throughout the Calculus AP course will capitalize on the graphing calculator capabilities. Specifically, students will learn to use the graphing calculator as a tool for processing data and performing calculations to investigate and solve problems. The course covers the equivalent of one semester of the average college calculus course. Students will be prepared to take the Advanced Placement Test in Calculus AB. Students enrolled in Advanced Placement are encouraged to take the College Board Advanced Placement test in May.

**COLLEGE MATHEMATICS (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.

**CONSUMER MATHEMATICS**      **5 credits**      **Grades 11, 12**

Consumer Mathematics is a full year math elective designed for students who are interested in a course designed to develop and reinforce the applications of mathematics in today's society. Students will investigate topics such as money management, banking, filing tax forms, real-life geometric applications, calculating net pay, budgeting expenses, making cost comparisons, buying and renting a home and finding the cost of operating a motor vehicle. The goal of this course is to guide students in building a strong foundation in logical thinking and problem solving that will enable them to make good decisions in their daily lives. This course may not be used to fulfill the third year mathematic requirement.

**FOUNDATIONS OF ELEMENTARY ALGEBRA****5 credits****Grade 9****Prerequisite: Grade 8 Math**

The Foundations of Algebra course provides the fundamentals necessary for all subsequent high school math courses. Students will develop prerequisite skills necessary for Algebra I CP Concepts, including the development of procedural fluency with signed numbers and variables. Students will study operations with rational numbers, simplifying and evaluating algebraic expressions, percents, solving equations, linear functions, probability, and graphing. Students will develop strategic competence, conceptual understanding, procedural fluency and problem solving skills through hands on activities and visualizations. Students must have successfully completed Grade 8 Math.

**GEOMETRY HONORS****5 credits****Grades 10, 11****Prerequisite: Algebra I (Grade 8), Teacher Recommendation, Honors Criteria, & Mandatory Summer Assignment. Students requesting Geometry H program from Algebra I CP or Algebra II H & 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 10, 11****Prerequisite: Algebra II CP or Algebra I CP if taken concurrently with Algebra II CP or H.**

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 class 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 in relating these skills to real world applications.

**GEOMETRY CONCEPTS CP****5 credits****Grades 10, 11****Prerequisite: Algebra 1 CP – Part A and Algebra 1 CP – Part B**

This is the Geometry course which typically follows Algebra 1 CP –Part A. Topics include the study of points, lines, planes, angles, polygons and circles. Less emphasis is placed on formal proof; instead, the course attempts to apply geometric concepts to everyday living. This course is not available to the student who has completed Geometry CP.

**PRE-CALCULUS HONORS****5 credits****Grades 11, 12****Prerequisite: Geometry Honors, Algebra II H, & Mandatory 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 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.



**PROBABILITY/STATISTICS (semester)****2.5 credits****Grades 11, 12****Prerequisite: Algebra I CP, Algebra II CP, & Geometry CP**

Probability/Statistics is a semester 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.

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

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.

# MUSIC

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

This is a half year course designed to allow students to take Band with another semester course. See the description above.

**CONCERT BAND 5 credits Grades 9, 10, 11, 12**

**Prerequisite: One year of Middle School Band or private lessons on student's respective instrument**

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.

**FALL 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 first semester is required unless previously excused by the director.

**MUSIC THEORY CP 5 credits Grades 9, 10, 11, 12**

Music Theory consists of the study and application of all basic music fundamentals. Topics to be covered include the construction of major and minor scales and chords, intervals, dictation and basic chord progressions.

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

**Prerequisite: There are no prerequisite courses for AP Music Theory. Students should be able to read and write musical notation, and it is strongly recommended that the student has acquired at least basic performance skills in voice or on an instrument.**

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.

**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**

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.

**SPRING 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 second semester is required unless previously excused by the director.

# 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):

**Physical Education 9/Health 9** **5 credits** **Grades 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.

*Health 9 is taught Marking Period 4*

**Physical Education 10/Driver Education** **5 credits** **Grades 10**

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

*Driver Education is taught Marking Period 1*

**Physical Education 11/Health 11** **5 credits** **Grades 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.

*Health 11 is taught Marking Period 3*

**Physical Education 12/Health 12** **5 credits** **Grades 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.

*Health 12 is taught Marking Period 2*

# SCIENCE

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

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**Prerequisite: Biology CP, Chemistry CP**

Students taking Anatomy/Physiology should be planning to enter a field of science after high school graduation. Research procedures and bio-techniques will be greatly emphasized. Possible areas of investigation include Genetics, Human Physiology, Biochemistry, Micro-technique, Clinical Biology, Histology and Comparative Anatomy.

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

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**Prerequisite: Biology H, 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 Advanced Placement are required to take the College Board Advanced Placement test in May.

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**BIOLOGY HONORS 6 credits Grade 9**

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**Prerequisite: Honors Criteria**

Biology Honors employs a molecular approach and is designed to provide the high ability student with an extended, in-depth learning experience in Biology. Basic concepts are reviewed and expanded in conjunction with more advanced biological topics. There will be increased demands made on student performance in reading and mathematics to allow more complex laboratory explorations. Major topics covered will include, but will not be limited to, cells, evolution, energy, biochemistry, heredity, reproduction, regulation and development.

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**BIOLOGY CP 5 credits Grade 9**

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**Prerequisite: Earth Science CP**

CP Biology 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.

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

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**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 Advanced Placement are required to take the College Board Advanced Placement Test in May.

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**CHEMISTRY HONORS 6 credits Grade 10, 11**

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**Prerequisite: Algebra I CP, Biology Honors, Honors Criteria**

The Honors Chemistry program includes all of the basic concepts covered in Chemistry CP class with the following differences and/or additions in process and content: Students must employ advanced, independent study guides for an in depth study of atomic structure and chemical equations. Students must solve advanced Chemistry problems involving gas laws, strength of solutions, stoichiometric ratios and the identification of unknown compounds.

**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 11, 12**

**Prerequisite: Biology CP or Study of Life with permission from the Science Supervisor**

This year-long course is designed primarily to help students realize the important role that chemistry will play in their personal and professional lives. The students will use principles of chemistry to think more intelligently about current issues they will encounter that involve science and technology. The course is designed to help the students develop a lifelong awareness of the potential and limitations of science and technology.

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

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 are expected to take the AP Environmental Science Test. Prerequisite: Biology and Chemistry (Chemistry may be taken concurrently); teacher recommendation. There is a mandatory summer assignment.

**ENVIRONMENTAL SCIENCE CP (semester)** **2.5 credits** **Grades 11, 12**

**Prerequisite: Biology CP, Chemistry CP or Chemistry in the Community**

This course is designed to provide students with an understanding of basic ecological concepts and principles. Students will be introduced to the study of lake ecosystems and classification, forest ecosystems, energy cycling, endangered species, biodiversity and global warming. The course will include a strong laboratory and field investigation component.

**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. There will be mandatory outside reading. 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.

**ORGANIC CHEMISTRY (semester)** **2.5 credits** **Grades 11-12**

**Prerequisite: Biology CP, Chemistry CP**

This course is designed for students entering a medical, nursing, chemical or biological field in college. The course will afford the student the opportunity to study the organic compounds, which are not typically covered in the first year CP Chemistry course. The course will cover the Alkane, Alkene, Alkyne families, also the alcohols, ester, ethers, aldehydes, ketones, organic acids as well as the aromatics and their derivatives. Lab work will be required.

**AP PHYSICS 1****7 credits****Grades 11,12**

**Prerequisite: Geometry CP, Chemistry H, concurrent Algebra II CP. No prior course work in Physics is necessary.**

AP Physics 1 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 itself.

**AP PHYSICS 2****7 credits****Grade 12**

**Prerequisite: AP Physics 1, concurrent Pre-calculus**

AP Physics 2 is an algebra-based, introductory college-level physics course that explores topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics. 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.

**PHYSICS CP****5 credits****Grades 9, 10, 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.

# SOCIAL STUDIES

## **WORLD HISTORY HONORS**

**5 credits**

**Grade 9**

### **Prerequisite: Honors Criteria & Mandatory 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 class studies various cultures as represented by authentic literature. 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**

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 class studies various cultures as represented by authentic literature. 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 emphasize 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.

## **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.

## **AP U.S. HISTORY 2**

**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 derive 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 Advanced Placement are required to take the College Board Advanced Placement 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.

## SOCIAL STUDIES ELECTIVES

### AP PSYCHOLOGY 5 credits Grades 11, 12

**Prerequisite: Must meet AP selection criteria & Mandatory Summer Assignments. Current English and Social Studies course grades will be considered. A 3.3 GPA is required.**

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 emotion development, personality, testing and individual differences, abnormal behavior, treatment of psychological disorders and social behavior. In addition to lectures and discussion, class will involve demonstrations, group work, role-playing, research films and videos and guest speakers. Students enrolled in Advanced Placement Psychology are required to take the College Board Advanced Placement test in May. Failure to take this test will result in denial of A.P. credit.

### CRIMINAL JUSTICE 5 credits Grades 10, 11, 12

Students will be given a general overview of the Justice System including the courts and prisons. Students will also learn about the private sector or protection, along with fire protection services. This class is a beginner class for students thinking of possibly going into Criminal Justice career field. This class will help the student decide whether they would like to take Law Enforcement I to gain more knowledge of the Criminal Justice processes and procedures, along with learning of the career opportunities they may have in the future.

### 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 macro economics. 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.

### FORENSIC PSYCHOLOGY CP (semester) 2.5 credits 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.

### HISTORY OF LAKE HOPATCONG 2.5 credits Grades 9, 10, 11, 12

The focus of the course will be project based learning. The course vision is for students to select a topic of intensive study, research and produce a final product – the canal system, resort destination, compilation of lifelong resident interview library, motorboat racing on Lake Hopatcong, the evolution of boating, etc. Final products may include TED style talks, models, displays, interviews, etc. Topics covered include but are not limited to Native American, the Colonial Period/Industrialization, and the lake as a resort destination.

### INTRODUCTION TO PSYCHOLOGY CP 5 credits Grades 11,12

Introduction to 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 emotion development, personality, testing and individual differences, abnormal behavior, treatment of psychological disorders and social behavior. In addition to lectures and discussion, class will involve demonstrations, group work, role-playing, research films and videos and guest speakers.

### SOCIOLOGY (CC) 5 credits Grades 11, 12

**Prerequisite: Must have a minimum 3.0 GPA, SAT scores of: CR=540 and M=530 or appropriate scores on the College Accuplacer Test. There will be a Mandatory Summer Assignment.** Tuition check is required at registration. (CC = Concurrent Enrollment Sussex County Community College).

Sociology is a concurrent enrollment course with Sussex County Community College. Students will receive six (6) transferable college credits and an official transcript upon request from the college. Tuition is to be paid by individual students. This course presents an exciting opportunity for students to amass college credits while still in high school. The first semester focuses on Sociological Theory and the second semester on specific topics such as race and gender. Research is required.



## **SCHOOL-WITHIN-A-SCHOOL**

Students are able to pursue challenging academic interdisciplinary programs and focus on their desired career path. This structure supports constructive relationships between and among students & teachers by grouping students together each year to take a number of rigorous courses with increased student support & individualized attention. This includes:

### **Future Teachers Academy**

This program identifies students interested in careers in education and offers an avenue for them to pursue their curiosity and interest with real-world experience.

### **Career Internships**

Students participate in hands-on career work experience before entering college and build their resume. They learn about potential careers & responsibilities associated with them. Students have the opportunity to participate in hands-on, unpaid career work experience both in the district and offsite. Programs may occur during the school day or after school hours for either a semester, full-year or summer session; credits are awarded accordingly. Students involved in the program will gain beneficial job skills that they can use going forward with their career, including a more comprehensive resume. Some sample job placement sites are: business/office administration, hospitality, real estate, child care, education, physical fitness, and retail.

### **STEAM (*Science, Technology, Engineering, Arts, & Math*)**

This program develops talent & leadership in science, technology, engineering, arts, & mathematics. The academy option allows a focused curriculum in students' career interests.

# **SPECIAL PROGRAMS**

## **BASIC SKILLS**

**Grade 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. Student may be identified as having below average scores on PARCC. These classes are designed for students to create content specific portfolios as outlined by the NJDOE. Portfolios will be submitted in the NJDOE in part to satisfy a graduation requirement.

## **GIFTED & TALENTED**

**5 credits**

**Grade 9, 10, 11, 12**

Hopatcong High School meets the needs of its gifted and talented students through flexibility and diversity of programs and services. It does so by offering a rigorous academic program in addition to a specific program. Students work on specific projects as approved by their advisor. Students must complete an application by February 27 of the preceding year. The Gifted and Talented Advisor will review all applications for approval. Students will be notified in June on the status of their application.

## **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 February, during their scheduling meeting for the upcoming school year. An application is required. The Principal, Assistant Principal, or the Director of Guidance must review each request for final approval.

## **SPECIAL EDUCATION PROGRAM**

**Grade 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 special classes (behavioral disabilities, learning and/or language disabilities, multiple disabilities).

**SUSSEX COUNTY TECHNICAL SCHOOL****10 - 15 credits****Grade 11, 12**

Students may enroll at Sussex County Technical School as full or shared time students. Students classified by the Child Study Team are permitted to attend the shared-time program in grades 9, 10, 11, & 12. General education students may attend the shared-time program in grades 11 and 12 only. All students may enroll at the Sussex County Technical School as full-time students, upon withdrawing from HHS. The shared-time program permits student to attend their high school for half of the day for specific courses required for graduation. The student is transported to Sussex County Technical School for the other half of the day to receive instruction in one of the 20 different technical areas. The technical courses award ten to fifteen credits. Students may apply for admission and visit the school for a personal interview.

**Auto Services****Building Trades****Carpentry****Clerical Skills****CAD****Commercial Art****Commercial Banking****Computer Information Systems****Cosmetology/Barbering****Culinary****Electrical Trades****Electronics Technology****Engineering Technology****Environmental Systems Technology****Landscaping & Design****Graphic Design****Medical Arts****Office & Business Technology****Transportation Technology****Welding**

## SUSSEX COUNTY COMMUNITY COLLEGE – Concurrent Courses

This option is available to juniors or seniors. Students must have a minimum 3.0 GPA (“B” average) at the time of scheduling. You must have earned specific SAT scores or Accuplacer scores (see below).

### I. Eligibility Criteria

- A. Junior or senior
- B. Must have a minimum 3.0 GPA (“B” average), at the time of scheduling
- C. Must have either earned sufficient SAT scores or Accuplacer scores. (see below)

Course	SAT Scores		Accuplacer Sections			
	Critical Reading	Math	Sentence Skills (Also called Writing)  Pass either Sent Skills or Write Placer	Write Placer (Essay)  Pass either Sent Skills or Write Placer Perfect Score 8	Reading (Also called Comprehension)	Elementary Algebra (Also called Algebra)
English 4 (CC)*	540	530	88	6	83	N/A
Sociology (CC)*	540	530	88	6	83	N/A
Culinary Arts 1 (CC)	540	530	88	6	83	N/A
Culinary Arts 2 (CC)	540	530	88	6	83	N/A
Child Development 1 (CC)	540	530	88	6	83	N/A
Child Development 2 (CC)	540	530	88	6	83	N/A
Business 101 (CC)	540	530	88	6	83	N/A
TV/Video Production (CC)	540	530	88	6	83	N/A

HHS Course Name	SCCC(CC) Course Number	SCCC(CC) Course Name	Credits	Payment
English 4 (CC)	ENGL 101 ENGL 102	English Comp 1 English Comp 2	3 3	Two separate checks of \$225.00 each (made out to SCCC)
Sociology (CC)	SOCA 101 SOCA 150	Intro to Sociology Contemp. Issues in Sociology	3 3	Two separate checks of \$225.00 each (made out to SCCC)
Culinary Arts 1	HOST 120	Food Prep 1	3	One check of \$225.00 (made out to SCCC)
Culinary Arts 2	HOST 125	Baking & Pastry Arts	3	One check of \$225.00 (made out to SCCC)
Child Development 1 Child Development 1	CDEV 101 CDEV 160	Intro Early Childhood Child Nutrition & Health	3 3	Two separate checks of \$225.00 each (made out to SCCC)
Child Development 2	CDEV280	Internship	3	Check of \$225.00 (made out to SCCC)
Business 101	BUSA 101	Intro to Business	3	Check of \$225.00 (made out to SCCC)
TV/Video Production	COMM130	TV Production	3	Check of \$225.00 (made out to SCCC)

## II. Accuplacer Test

- A. Test will be administered in June in the HHS Tech Center. *The cost is free.*  
Students may *retake* the Accuplacer if necessary.
- B. If SAT scores are not available, students must take the Accuplacer.

## III. Tuition

- A. English 4 (CC) = 3 college credits
- B. Sociology (CC) = 3 college credits
- C. Culinary Arts 1 (CC) = 3 college credits
- D. Culinary Arts 2 (CC) = 3 college credits
- E. Child Development 1 (CC) = 3 college credits
- F. Child Development 2 (CC) = 3 college credits
- G. Business 101 (CC) = 3 college credits
- H. TV/Video Production (CC) = 3 college credits

## IV. Application

Students must complete all required paperwork:

- Admissions application form
- Parental approval form
- Registration/recommendation form

## V. Transcripts

The SCCC (CC) class will be listed on the high school transcript. To document the earned college credits, students must request an SCCC transcript. Students must request the SCCC transcript from the Registrar Office 973-300-2217. The contact person is Donna Grant.

# TECHNOLOGY

## **PRINCIPLES OF ENGINEERING**

**5 credits**

**Grades 10,11,12**

### **Prerequisite: Intro to Wood Sculpture 1**

This course actively involves students to learn about the fundamentals of design and manufacture. An understanding of the basic principles of mathematics and science, achieved primarily through hands-on activities, will help students develop solutions that make efficient use of manmade and natural materials. This course will help students realize the interrelatedness of history, economics, philosophy, ethics, and writing, which will prepare them for rigorous study in any of the fields of engineering.

## **TV/VIDEO PRODUCTION CC**

**5 credits**

**Grades 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.

**\*Upon successful completion of course requirements, 3 college credits may be awarded by Sussex County Community College.**

## **WEBSITE DESIGN (semester)**

**2.5 Credits**

**Grades 9-12**

In this course, students will learn website creation using Adobe Dream Weaver. This course will lead students through developing and maintaining a website using HTML documents, adding images, layers and using a web browser. Also utilized in this course will be some of the Adobe CS Suite applications including Flash, Photoshop, Bridge, Fireworks, and Illustrator to enhance students' design skills.

## **INTRO TO CAD & WOOD SCULPTURE 1**

**5 credits**

**Grades 9, 10, 11, 12**

This semester course deals with the fundamental aspects of woodworking. Students will gain experience in shop safety, reading and preparing shop working drawings, wood identification and classification, using a variety of hand and power tools, basic wood joinery, and a variety of finishing procedures. Students will design and construct several woodworking projects that encompass good design, construction and finishing techniques. This entry-level drafting course will introduce the student to the most basic fundamental concepts of drafting. The course will start with the student drawing the hand tools. This will allow the student to develop an understanding of three dimensional views and isometric perspectives. The second part of the course will be all student computer interactive. In this section, the students will begin to develop a basic knowledge of C.A.D. (Computer Aided Drafting).

**\*Upon successful completion of this course requirement, college credits may be awarded.**

## **INTERMEDIATE TO CAD & WOOD SCULPTURE 2**

**5 credits**

**Grades 10, 11, 12**

### **Prerequisite: Intro to CAD & Wood Sculpture 1**

This course is designed to allow students to progress from the basic skills learned in Wood Sculpture 1. This course will allow for more challenging murals which will involve using more techniques and creative designs to really accent the finished product. In this course, the student will strengthen their knowledge base and understanding of C.A.D. by working through a series of assignments that will require them to draw more detailed drawings. This course is weighted 50/50 between computer work and hands-on work. The assignments will require the student to use their own creative skills. The making of small models and projects will provide the student with a greater understanding as to why blueprints must not only be accurate but detailed as well. C.A.D. II will place a strong emphasis on Architectural home construction. The course will finish with each student designing a floor plan for a Dream Home with all four elevations detailed.

**\*Upon successful completion of this course requirement, college credits may be awarded.**

## **INTRODCUTION TO COMPUTER SCIENCE**

**5 credits**

**Grades 9, 10, 11, 12**

### **Prerequisite: Algebra 1 Concepts or CP**

This course introduces students to a broad range of topics in Computer Science and computing in the modern world, vital for success across multiple disciplines. This includes many connections between Mathematics and Computer Science, programming, the Internet, cybersecurity, and ethical and social implications of new computing technologies. Students work individually and collaboratively to address real-world problems and design innovative solutions to put computational thinking into practice. The course emphasizes the creative aspects of computing. The course is a mixture of group projects and presentations, basic coding/programming exercises, as well as debates about the social, legal, and ethical impact of computers, their uses, and the rules governing their usage. There is no designated programming

language for the course. Teacher has the flexibility to choose the programming language that is most appropriate for students to use in the classroom (Java and Python are some examples).

## **WORLD LANGUAGE** (Graduation Requirement: 2 consecutive years of a language)

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### **FRENCH 1** **5 credits** **Grades 9, 10, 11**

This highly interactive course is designed to provide students with the basic skills necessary for meaningful communication in French. In addition to developing proficiency in listening, speaking, reading and writing, students will gain an understanding of Francophone cultures. While the majority of classroom interactions will use the present tense, immediate future and past tenses will also be introduced.

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### **FRENCH 2** **5 credits** **Grades 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.

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### **FRENCH 3 HONORS** **5 credits** **Grades 9, 10, 11, 12**

**Prerequisite: French 3, Honors Criteria**

Students electing to enroll in the Honors section of French 3 should be prepared to work at a faster pace than those in the regular program. More independent work, including supplemental readings, written assignments and research, will be required of Honors students, and grammar will be covered in more detail.

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### **FRENCH 4 HONORS** **5 credits** **Grades 11, 12**

**Prerequisite: French 3H, Honors Criteria**

Students electing to enroll in the Honors section of French 4 should be prepared to work at a faster pace than those in the regular program. More independent work, including supplemental readings, written assignments and research, will be required of Honors students. Grammar will also be covered in more detail.

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### **SPANISH I** **5 credits** **Grades 9, 10, 11**

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.

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### **SPANISH 2** **5 credits** **Grades 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.

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### **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 class. Research, presentations and cultural study of Spanish speaking nations are required.

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### **SPANISH 3** **5 credits** **Grades 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 him to 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.

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### **AP SPANISH Language & Culture** **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 4 Honors. 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 required to take the College Board Advanced Placement in May.

**SPANISH B**

**5 credits**

**Grades 10, 11, 12**

Spanish “B” continues where Spanish “A” ends. Students experience conversation and culture in Spanish and participate in various events, projects, and experiences in order to become familiar with the language and Hispanic culture. At the end of this sequence, students should be able to conduct themselves successfully in a Spanish speaking country.



# APPENDIX A

- ➔ Graduation Tracking Sheets
- ➔ Honors Application
- ➔ Shortened Schedule
- ➔ SCCC Concurrent Courses
- ➔ Summer School Review Course & School Approvals

## HHS GRADUATION REQUIREMENTS Class of 2018 & Beyond

Name: \_\_\_\_\_    ✓ = Passed    ✗ = Failed    W = Withdraw    ○ = Passed (2<sup>nd</sup> time)

COURSE:	Grade 9	Grade 10	Grade 11	Grade 12
English = 4 Years	English I	English II	English III	English IV
Algebra I (or the equivalent)-1 year				
Geometry - 1 year				
Algebra II (or the equivalent)-1 year				
Biology - 1 year				
Chemistry 1 year				
Inquiry Lab Science - 1 year				
Financial Literacy - 1 Semester				
Social Studies - 3 years	World History CP/ World History H	US I	US II	
World Language 2 years				
Visual Performing Art - 1 year				
Career Education and Consumer & Family Life Skills - 1 year				
PE/Health 4 years	PE    Health	PE    Dr. Ed	PE    Health	PE    Health
Electives (other) - 2 years & 1 semester				
Community Service Requirement (2.5 credits earned May 1 of senior year)				
PARCC/Alternate Assessment (Demonstrate Proficiency)	ELA  Math	ELA  Math	ELA  Math	
TOTAL CREDITS (min = 122.5)				

**NOTES:**

# Hopatcong High School Application Honors Application

Name \_\_\_\_\_

Current Grade Level      9   10   11   12

Date \_\_\_\_\_

GPA \_\_\_\_\_      Rank \_\_\_\_ Out Of \_\_\_\_\_

Applications are due **February 19, 2017** to your Guidance Counselor.

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

**English** \_\_\_\_\_

**History** \_\_\_\_\_

**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 to the counselor.
6. Counselor will review application, ***SIGN & DATE it*** and give it to the Director of Guidance for review.
7. Director of Guidance 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.

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*For Office Use Only After All Parts Are Completed:*

Director of Guidance Review \_\_\_\_\_  
(Signature)

Approved:    Yes            No

Notes:

## Honors Application

***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. A good grade point average, if applicable.
3. At least an “A – “ in your current College Prep course.
4. An understanding and acceptance of the time the course involves, both in terms of study time and homework.
5. Teacher and counselor recommendations.
6. A teacher interview, if necessary.
7. Performance on academic achievement tests.
8. 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. All responses must be typed. You may cut and paste to fit into the space provided.*

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

Parent/Guardian Signature

Student Signature

## Hopatcong High School Application Honors Application

### Teacher Recommendation for Honors

Application Deadline: February 19, 2017

#### *To the Student:*

Please complete the following information and give to your teacher.

Student Name \_\_\_\_\_

Date \_\_\_\_\_

Course Presently Taking \_\_\_\_\_

Counselor \_\_\_\_\_

Course Grade to Date \_\_\_\_\_

---

#### *To the Teacher:*

Please complete this form and return it to the Counselor

The Student Should:	Above Average	Average	Below Average
Demonstrate the ability to integrate & synthesize prior knowledge in subject area.			
Demonstrate effective written & oral communication skills.			
Shows ability to work independently.			
Demonstrates active class participation.			
Completes all assigned work in the required time frame.			
Exhibits a good attendance record.			
Demonstrates a social maturity level that is appropriate to the Honors Program.			
Demonstrates effective time management skills.			
Exhibits daily preparedness for class.			
Demonstrates consistency in his/her academic performance.			

#### COMMENTS:

Using the above characteristics as a guide to the intellectual and social maturity of the student,

I (please circle) **do/do not** recommend this student for an Honors course.

\_\_\_\_\_  
Teacher Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Counselor Signature

\_\_\_\_\_  
Date

# Hopatcong High School Guidance & Counseling Services

## Sussex County Community College - Concurrent Course Application

Please complete the following application & return it to your counselor by **February 19, 2017**

NAME: \_\_\_\_\_

Date: \_\_\_\_\_

**Eligibility Criteria:**

- A. Junior or senior
- B. Must have a minimum 3.0 GPA (“B” average), at the time of scheduling
- C. Must have either earned sufficient SAT scores or Accuplacer scores. (see below)

Course	SAT Scores		Accuplacer Sections			
	Critical Reading	Math	Sentence Skills (Also called Writing)  Pass either Sent Skills or Write Placer	Write Placer (Essay)  Pass either Sent Skills or Write Placer Perfect Score 8	Reading (Also called Comprehension)	Elementary Algebra (Also called Algebra)
English 4 (CC)*	540	530	88	6	83	N/A
Sociology (CC)*	540	530	88	6	83	N/A
Culinary Arts 1 (CC)	540	530	88	6	83	N/A
Culinary Arts 2 (CC)	540	530	88	6	83	N/A
Child Development 1 (CC)	540	530	88	6	83	N/A
Child Development 2 (CC)	540	530	88	6	83	N/A
Business 101 (CC)	540	530	88	6	83	N/A
TV/Video Production (CC)	540	530	88	6	83	N/A

Please highlight your choice(s) below:

<b>HHS Course Name</b>	<b>SCCC(CC) Course Number</b>	<b>SCCC(CC) Course Name</b>	<b>Credits</b>	<b>Payment</b>
<i>English 4 (CC)</i>	<i>ENGL 101 ENGL 102</i>	<i>English Comp 1 English Comp 2</i>	<i>3 3</i>	<i>Two separate checks of \$225.00 each (made out to SCCC)</i>
<i>Sociology (CC)</i>	<i>SOCA 101 SOCA 150</i>	<i>Intro to Sociology Contemp. Issues in Sociology</i>	<i>3 3</i>	<i>Two separate checks of \$225.00 each (made out to SCCC)</i>
<i>Culinary Arts 1</i>	<i>HOST 120</i>	<i>Food Prep 1</i>	<i>3</i>	<i>One check of \$225.00 (made out to SCCC)</i>
<i>Culinary Arts 2</i>	<i>HOST 125</i>	<i>Baking &amp; Pastry Arts</i>	<i>3</i>	<i>One check of \$225.00 (made out to SCCC)</i>
<i>Child Development 1 Child Development 1</i>	<i>CDEV 101 CDEV 160</i>	<i>Intro Early Childhood Child Nutrition &amp; Health</i>	<i>3 3</i>	<i>Two separate checks of \$225.00 each (made out to SCCC)</i>
<i>Child Development 2</i>	<i>CDEV280</i>	<i>Internship</i>	<i>3</i>	<i>Check of \$225.00 (made out to SCCC)</i>
<i>Business 101</i>	<i>BUSA 101</i>	<i>Intro to Business</i>	<i>3</i>	<i>Check of \$225.00 (made out to SCCC)</i>
<i>TV/Video Production</i>	<i>COMM130</i>	<i>TV Production</i>	<i>3</i>	<i>Check of \$225.00 (made out to SCCC)</i>

- I will take the Accuplacer Test in June (In the High School Tech Center)  
(Retakes will be given if necessary)
- This application must be submitted with the enclosed THREE SCCC forms to your counselor. These forms are available in the Guidance Office. Incomplete applications will not be accepted.

# Hopatcong High School Guidance & Counseling Services

## Shortened Schedule Application

You must complete the following application & return it to your counselor  
by **February 19, 2017**

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 2017-2018  
school year. I understand that depending upon scheduling, my child will be 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 Guidance Counselor.

\_\_\_\_\_  
*Parent/Guardian Signature*



# HOPATCONG HIGH SCHOOL

Guidance & Counseling Services  
 P.O. Box 1029, Windsor Avenue  
 Hopatcong, NJ 07843  
 Fax: 973-398-6446

Phone: 973-770-8861

[www.hopatcongschools.org](http://www.hopatcongschools.org)

## SUMMER SCHOOL REVIEW COURSE APPROVAL

Date \_\_\_\_\_

\_\_\_\_\_ has our approval to take a **REVIEW COURSE**  
 (Student's Name)

\_\_\_\_\_ at \_\_\_\_\_  
 (Course Name) (Summer School Name)

as described in the New Jersey Administrative Code, Section 6A:32-10.5. Such a course is to have 60 hours of classroom instruction. A transcript must follow the completion of work and specify the number of classroom instruction hours and grade received by the student. Please mail said transcript to:

Guidance Department  
 Hopatcong High School  
 P.O. Box 1029  
 Hopatcong, NJ 07843

**TRANSCRIPT ENCLOSED**

\_\_\_\_\_  
 Counselor

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*Below are the approved summer schools for students who have FAILED a course for the year. All students registering for any summer school must discuss the process with their counselor. Summer school credit will not be accepted without this conference and proper approval form from his/her counselor.*

<u>SCHOOL</u>	<u>PHONE</u>	<u>WEBSITE</u>
Mount Olive	973-691-4006	<a href="http://www.mtoliveboe.org">www.mtoliveboe.org</a>
New Jersey Virtual High School	732-389-5555 Extension 1074	<a href="http://www.njvs.org">www.njvs.org</a>
Penn Foster High School	800-961-6407, Extension 6780 Contact: Linda Boczar	Register over the phone with Linda ONLY!
Sussex County Educational Services Commission	973-579-6980 Andrea Romano	Register by mail or in person.

c: Student Copy                      File Copy                      Counselor Copy