

Hackensack High School

Course Offerings and Planning Guide 2025-2026



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Definition of Important Terms

Credit

A credit is a unit that gives weight to the value, level or time requirements of an academic course taken at a school. A full year course that meets one period a day for five days earns 5 credits.

Required Course

A required course is a course that must be successfully completed to satisfy state and local graduation requirements.

Elective Course

An elective course is any course other than the required courses students take to earn credit towards graduation. Students may choose elective courses in areas of interest to prepare for postgraduate studies.

College Preparatory (CP) Courses

College Preparatory is a designation given to high school level courses which are designed to prepare students for post secondary education.

Honors Courses (formerly known as Pre-AP)

Honors courses are courses which are academically challenging and more rigorous than CP courses. Students selecting these courses should be independent students with strong work ethic and be prepared for summer assignments and an extensive workload.

Advanced Placement (AP) Courses

Advanced Placement courses are college level courses designated by the College Board that are offered to high school students who are interested in advanced level work in a subject area. Students selecting these courses can expect summer assignments, a rigorous curriculum and are strongly encouraged to participate in AP testing during the month of May. Students who score well on AP tests may earn college credit toward their university degree.

Grading

The chart below explains grading designations at Hackensack High School:

A+	97-100
A	90-96
B+	87-89
B	80-86
C+	77-79
C	70-76
D	65-69
F	0-64

I	Incomplete
M	Medical
WA	Withdrawal-Absence
WP	Withdrawal-Passing
WF	Withdrawal-Failing
N	No Grade
P	Pass

Grade Point Average (GPA)

Grade point average is the numeric average calculated from a student's final grades. GPA is unweighted, meaning that all courses, regardless of level, are weighted equally. Course credits are multiplied by the numeric value indicated in the table below. The cumulative total is then divided by the total credits attempted, including failures. The following quality point index is used:

Final Grades	A+/A	B+	B	C+	C	D	F
	4	3.5	3	2.5	2	1	0

Rank

Class rank is a weighted computation for seniors at the end of the 6th and 7th semesters.

Fall rank is calculated by October 1, based upon the final grades in all courses completed at that point. Spring rank is calculated after mid-year grades are finalized.

All students registered by September 15 of their senior year will be included in senior rank. Any student registered after September 15 of their senior year WILL NOT be included in senior rank. Course credits are multiplied by the weighted value indicated in the table below. The cumulative total is then divided by the total credits attempted, including failures.

The following quality point index is used for rank calculations:

Final Grades	A+	A	B+	B	C+	C	D	F
Level 1	7.5	7	6.5	6	5.5	5	4	0
Level 2	6.5	6	5.5	5	4.5	4	3	0
Level 3	5.5	5	4.5	4	3.5	3	2	0

- **Level 1** courses include Advanced Placement (AP), Honors, Honors, and Dual Enrollment courses.
- **Level 2** courses include College Preparatory, CPE, and elective courses.
- **Level 3** courses include Non-College Preparatory courses including Physical Education, Health, Drivers Education, Cooperative, Vocational, ESL, and Resource courses.

Honor Roll

Honor Roll is calculated after grading closes for Marking Periods 1,2 and 3. Honor Roll certificates are distributed by Guidance staff. The following criteria are used to determine Honor Roll:

- o Blue Honor Roll
 - Marking Period Grade Point Average 3.0 - 3.49
 - Minimum of 3 valid grades
 - Students with grades of C, D, F excluded from Honor Roll
- o Gold Honor Roll Marking
 - Period Grade Point Average 3.5 – 4.0
 - Minimum of 3 valid grades
 - Students with grades of C, D, F excluded from Honor Roll

Credit Recovery

All students are expected to recover credits upon failure of a required course. Credits may be recovered at a board approved summer/night school or online through Educere. Credit recovery costs must be paid for by the student.

Course Selection Process

The Guidance Department encourages all students to take careful considerations when deciding on course selections for the following year. Students, parents, and guardians should familiarize themselves with all course offerings at Hackensack High School by reviewing the Course Selection Guide. Students should choose courses which are in line with their academic abilities and interests. They should speak with their current teachers regarding recommendations and selection options. Teacher recommendations are based on a student's performance in class, including factors such as grades, homework, class work, tests and quizzes and participation. Although recommendations are helpful in the scheduling process, the ultimate decision for course selection belongs to the student. Students should consider courses in fields that interest and challenge them to build a transcript that will give them an edge in the college application process.

Students meet with their counselors individually starting in February to select course requests for the following year. At that meeting, counselors will discuss future goals with students in order to have a clear understanding of a student's needs. They will also review graduation requirements prior to scheduling. The student and counselor will create a course request list together which will be sent home with the student for parental review. Course requests and alternates should be chosen carefully. The master schedule is built based on these requests. Although every attempt is made to accommodate a student's course requests, final schedules may not be able to accommodate all requests. Changes to schedules after the Master Schedule is built may be difficult to accommodate.

Dual Credit Courses

Hackensack High School has partnered with Fairleigh Dickinson University, Seton Hall University and Bergen Community College to offer our students several dual credit courses. Students can participate in the dual credit programs by electing courses designated as dual credit and by registering with the university for credits. There is a fee for university credits to be paid by the student. Student participants can simultaneously earn 5 high school credits and 3 college credits. Upon successful completion of the course, the universities will provide students with college transcripts indicating earned credits. **Please note: class offerings are subject to change.** Please see the [guidance website](#) for an updated list of dual credit courses.

Schedule Changes

Student schedules are mailed home and available via Genesis at the end of August. Students and parents/guardians should review schedules carefully at this point. Student schedule changes will only be honored through the specified date by filing a "Schedule Change Form" in the Guidance Office. Students may not request a change based on preferences for teachers or lunch periods. Students who failed a course under a specific staff member may request a course section change. Student requested schedule changes **will not** be honored during the school year unless there is a scheduling error. Students may drop to a lower level course within the same content area at the discretion of the Department Supervisor with written parental permission. Concerns regarding schedules should be brought to the attention of a student's School Counselor.

Work Release (for 12th grade students only)

This program is designed for students to experience actual on the job training, explore career pathways, and improve essential workplace skills. These skills include time and conflict management, organization and problem solving. The Work Release Program must complement your child's academic program at Hackensack High School to be most effective. To be eligible for work release, students must provide a letter from their employer indicating they are working during the school day. Students must not loiter on school grounds after their last class.
Note: No credit is earned for Work Release and it is not reflected on the student's transcript. Students cannot add classes once they have been granted a work release.

Athletic Eligibility

High School Athletics

Hackensack High School is a member of the New Jersey State Interstate Athletic Association (NJSIAA) The NJSIAA, is a private, voluntary Association which serves its student/Athletes, member schools and related professional organizations by the administration of education-based interscholastic athletics, which support academic achievement, good citizenship and fair and equitable opportunities. Athletic eligibility is determined based on the NJSIAA bylaws below:

Credits:

To be eligible for athletic competition during the first semester (September 1 to January 31) a pupil must have passed 25% of the credits (30) required by the State of New Jersey for graduation (120), during the immediately preceding academic year.

To be eligible for athletic competition during the second semester (Feb. 1 to June 30), a pupil must have passed the equivalent of 12 ½ % of the credits (15) required by New Jersey for graduation (120) at the close of the preceding semester (Jan. 31). Full-year courses shall be equated as one-half of the total credits to be gained for the full year to determine credits passed during the immediately preceding semester.

College Athletics

The National Collegiate Athletic Association (NCAA) is a non-profit organization which serves as the governing body for over 1300 colleges, universities, conferences and organizations. Together with the member colleges, the NCAA has established eligibility guidelines for any student athlete wishing to compete at the college/university level. Colleges/universities are divided into 3 divisions based on level of competition. Each level has different standards for eligibility. In addition to the Core Course requirements below, each student athlete is required to earn a minimum 2.3 core GPA and must meet the minimum testing requirements on the SAT and/or ACT. Students are evaluated on a sliding scale measuring GPA and test scores. For additional information on NCAA eligibility rules, please visit the NCAA website at www.eligibilitycenter.org.

- Division 1
 - highest level of collegiate competition
 - offers financial scholarships to eligible student athletes
 - Strictest academic guidelines through the NCAA Eligibility Center
- Division 2
 - Second highest level of competition
 - Offers financial scholarships to eligible student athletes
 - Slightly less stringent guidelines through the NCAA Eligibility Center
- Division 3
 - No financial scholarships to students
 - Athletes are not certified by the NCAA Eligibility Center because Division III colleges and universities each set their own admissions standards

NCAA schools require college-bound student-athletes to build a foundation of high school courses to prepare them for the academic expectations in college.

- [Hackensack High School's list of NCAA approved core courses](#) (Enter CEEB Code: 310460)
- [Learn more about Division I academic requirements](#)
- [Learn more about Division II academic requirements](#)

Hackensack High School Graduation Requirements

The NJ Department of Education's graduation requirements include a total of 120 credits and the inclusion of 21st Century Skills infused across all content areas. Electives make up the remainder of the credits required.

- Four years of English Language Arts
- Four years of Physical Education/Health
- Three years of Mathematics, including Algebra 1, Geometry, and Algebra 2 or Mathematical Modeling
- Three years of Science, including Biology, Chemistry, Physics, and/or Environmental Science
- Three years of Social Studies, including World History, US History 1 and US History 2
- One year of a World Language
- One year of a course which addresses 21st Century Life and Careers
- One year of a Visual and Performing Art
- One half year of Financial Literacy
- [Passing score on Standardized Test in Language Arts and Mathematics:](#)

Core Content Area	Courses Available	Credits
Language Arts	English 1(CP, Honors), English 2 (CP, Honors), English 3, English 3 Multicultural Literature, AP English Literature, English 4 Exploring Social Justice; English 4 The Horror Genre; English 4 True Crime in Literature, English 4 Making Voices Heard, AP English Language	20
Mathematics	Algebra 1 (CP, Honors) Geometry (CP, Honors), Algebra 2(CP, Honors) Pre-Calculus (CP, Honors, Math Analysis, AP Calculus BC, AP Calculus AB, Discrete Mathematics, AP Computer Science A, AP Statistics, Mathematical Modeling	15
Social Studies	US History 1 (CP, Honors), US History 2 (CP. Honors) World History (CP, Honors, AP), AP US History	15
Science	Biology (CP, Honors, AP), Chemistry (CP, Honors, AP), Physics (CP, Honors), Physics of Astronomy ,AP Physics 1/AP Physics C, Environmental Science (CP, AP)	15
Physical Education/Health	PE 1/ Health 1, PE 2/Driver's Ed, PE 3/Health 3, PE 4/Health 4	20
Personal Finance	See page 8 for list of offerings	2.5
World Language	Spanish 1,Heritage Spanish Spanish 1, Spanish 2, Honors Spanish 2, Honors Heritage Spanish 2, Spanish 3, Honors Spanish 3, Honors Heritage Spanish 3, AP Spanish Language, AP Spanish Literature: French 1, French 2, Honors French 2, Honors French 3, AP French Language; Italian 1, Italian 2, Honors Italian 2, Honors Italian 3, AP Italian Language	5
Visual and Performing Arts	See page 7 for list of offerings	5
Careers/Career Technical Education	See page 7 for list of offerings	5
Additional Elective Courses		15

NEW JERSEY STATE TESTING REQUIREMENTS

In addition to the course requirements, the NJ Department of Education has adopted testing requirements for graduation.

https://www.nj.gov/education/assessment/requirements/2023_2025.shtml

NJDOE offers a Portfolio Appeal Process for students who have not met their assessment graduation requirement, which includes student transcripts, NJSLA, or alternative assessment scores, and a series of Constructed Response Tasks that students would have to complete to demonstrate core mathematical and English language arts (ELA) competencies. All seniors are required to pass a standardized test in English and Mathematics prior to graduation. Seniors who have not met this requirement may be placed in English and/or Math lab classes.

2025-2026 Elective Courses that Meet Graduation Requirements

COURSES MEETING VISUAL AND PERFORMING ARTS REQUIREMENT

7052 Honors Studio Art	7512 Honors Music Theater 2
7051 Honors Art	7221 Mixed Chorus
7011 Art 1	7223 Honors Chorus
7021 Art 2	7220 CP Music Appreciation
7411 Band	7225 Honors Music Theory
7050 Computer Graphics 1	7226 AP Music Theory
7049 Computer Graphics 2	9211 CP TV Comm & Digital Prod.
7060 Creative Photo	7415 Wind Ensemble
7541 Dance	7511 CP Music Theatre 1
7531 CP Theatre Drama	

COURSES MEETING 21ST CENTURY LIFE & CAREERS REQUIREMENT

6141 Honors Accounting 1 (DC)	6552 Honors Criminal Justice (DC)
6140 Accounting for Careers	6145 CP Marketing
6237 AP Macroeconomics	9213 Principles of Engineering
6236 AP Microeconomics	9131 Power Mechanics 1
9011 Building Trades 1	9132 Power Mechanics 2
9021 Building Trades 2	9133 Power Mechanics 3
9031 Building Trades 3	6235 Honors Economics
9071 CP CAD Mech Draw 1	9211 CP TV Comm & Digital Prod.
9081 CP CAD Mech Draw 2 (DC)	6234 Principles of Business
9091 CP CAD Mech Draw 3	9016 Sustainable Manufacturing (2.5 cr.)
9151 CP Metal/Welding 1 (DC)	4142 Psychology
1401 Honors Careers in Education (DC)	4143 AP Psychology
1208 Honors Speech Communication (DC)	4441 Honors Sociology (DC)
1137 Journalism	7050 Computer Graphics 1
7060 Creative Photo	7049 Computer Graphics 2
4011 Honors Contemporary Studies (DC)	9001 CPE Intro to STEM (2.5 cr.)
9521 Culinary Arts 1 (DC)	3378 Intro To Computer Science
9522 Culinary Arts 2 (DC)	4463 CP Law
9523 Culinary Arts 3 (DC)	

MATH ELECTIVES MEETING CTE REQUIREMENT (4th year of Math)

3239 Pre-Calculus	3377 Discrete Math/Statistics
3241 Honors Pre-Calculus	3379 Advanced Senior Math
3238 AP Pre-Calculus	3381 AP Computer Science Principles
3242 Math Analysis	3360 AP Computer Science A
3243 AP Calculus BC	3025 CP Mathematical Modeling ???
3344 AP Calculus AB	3374 Cybersecurity
3378 Intro to Computer Science (2.5 cr.)	3376 AP Statistics
3375 CP Computer Science Essentials	

SCIENCE ELECTIVES MEETING CTE REQUIREMENT (4th year of Science)

2380 AP Biology	2237 CP Environmental Science
2382 AP Chemistry	2235 AP Environmental Science
2230 AP Physics 1	2239 CP Medical Technology
2383 AP Physics C	2240 CP Medical Science 1
2231 CP Physics	2022 CP Physics of Astronomy
2028 CP Anatomy & Physiology	2360 Advanced Science Research & Design

2027 Honors Anatomy & Physiology (DC)
2015 Biology of Insects (2.5 cr.)
9016 Sustainable Manufacturing (2.5 cr.)

GENERAL ELECTIVES THAT DO NOT FULFILL ART OR CTE REQUIREMENT

1138 Creative Writing (DC)	4441 Sociology (DC)
1210 Race & Representation in Literature (DC)	1402 Yearbook
4011 Honors Contemporary Studies (DC)	4022 CP Black Studies
4023 AP African American Studies	4462 Honors Latin American Studies (DC)
0301 Academic Decathlon	

COURSES THAT FULFILL FINANCIAL LITERACY REQUIREMENT

6016 Financial Literacy	6235 Honors Economics
6140 Accounting for Careers	6236 AP Microeconomics
6141 Honors Accounting 1 (DC)	6237 AP Macroeconomics
6145 CP Marketing	6234 Principles of Business

English Courses

Graduation Requirement: Four Years

College Prep English 1 5 Credits (Fulfills Graduation Requirement)

This course is taught as a genre survey course focusing on elements of the short story, world mythology, poetry, nonfiction, the novel, and a Shakespearean tragedy. It is designed to review and develop basic skills in spelling, vocabulary, grammar, reading, literary analysis, research techniques, use of technology, critical thinking, speaking, listening, and viewing. Students are introduced to a variety of literary terms and figures of speech. Outside readings and a research project are required. Students will develop and utilize analytical skills through the integration of skills in reading, writing, usage, and vocabulary.

Honors English 1 5 Credits (Fulfills Graduation Requirement)

Prerequisite: Teacher Recommendation or Teacher Recommendation and Successful Completion of Summer Prep course

This course is designed to challenge the motivated student who is proficient in basic reading, writing and grammar skills. Students will be required to read, analyze and discuss a wide variety of literary works including the short story, world mythology, poetry, nonfiction, the novel, and a Shakespearean tragedy, and to write comprehensive essays relating to or stemming from analysis of those works. Numerous research papers and creative projects are required. Critical thinking will be demonstrated in written assignments, reading assignments and class discussions. Students will develop and utilize analytical skills through the integration of skills in reading, writing, usage, and vocabulary. Students will be expected to demonstrate an increased responsibility for their own learning and a strong work ethic.

College Prep English 2 5 Credits (Fulfills Graduation Requirement)

This course is designed to revisit and develop skills in writing, grammar, vocabulary, reading, literary analysis, research techniques, use of technology, critical thinking, speaking, listening, and viewing. American literature is the focus of study. Attention will be given to a variety of themes relating to the American experience as it reflects social and historical backgrounds of the literary periods. Outside readings and a research project are required. Students will develop and utilize analytical skills through the integration of skills in reading, writing, usage, and vocabulary.

Honors English 2 5 Credits (Fulfills Graduation Requirement)

Prerequisite: Teacher Recommendation or Teacher Recommendation and Successful Completion of Summer Prep course

This course is designed for the motivated student who has been recommended for a challenging English program. The course develops critical thinking skills in reading and writing, instructs students in the analysis of difficult works from American Literature, and demands that students approach literature and various nonfiction prose in an aggressive, intelligent fashion. A student who masters this course is urged to continue in the advanced programs in English. Students will develop and utilize analytical skills through the integration of skills in reading, writing, usage, and vocabulary. Students will be expected to demonstrate an increased responsibility for their own learning and a strong work ethic.

College Prep English 3 5 Credits (Fulfills Graduation Requirement)

This course is designed to provide students with a finer appreciation for the valuable legacy of cultural contributions of some of England's great writers. Instruction will focus on an in-depth study of its writers, their works, and the background of English history from which these writings arose. Students will also study a sampling of American literature, nonfiction, and a Shakespearean tragedy. Outside readings and a research project are required. Students will develop and utilize analytical skills through the integration of skills in reading, writing, usage, and vocabulary. This course will focus on refining and solidifying skills in writing, grammar, vocabulary, reading, literary analysis, research techniques, use of technology, critical thinking, speaking, listening, and viewing.

College Prep English 3/Multi-Cultural Studies 5 credits – Full Year Course (Fulfills Graduation Requirement)

This course is designed to increase students' cultural awareness and enable them to build, respect, and foster cultural pluralism within racial societies. This course will acknowledge and incorporate positive racial idiosyncrasies into the traditional English Language Arts classroom through literary analysis and composition. Multicultural text addresses sensitive cultural and racial issues in order to address literacy and diversity concerns as well as raise awareness and combat stereotypes. Students will use various literary theories to examine literature, film and art for the purpose of discovering more about themselves and their worlds through writing and discussion.

AP English 3 Literature and Composition 5 Credits (Fulfills Graduation Requirement)

Prerequisite: Teacher Recommendation or Teacher Recommendation and Successful Completion of Summer Prep course

The AP English Literature and Composition course is designed to engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students will consider a work's structure, style, and themes, as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. Students in an AP English Literature and Composition read actively. The works taught in the course require careful and deliberate reading. The approach to analyzing and interpreting the readings involves students in learning how to make careful observations of textual detail, establishing connections among their observations of textual detail, establishing connections among their observations, and drawing from those connections a series of inferences leading to an interpretive conclusion about the work's meaning and value. In addition to considering a work's literary artistry, students should consider the social and historical values it reflects and embodies. Careful attention to both textual detail and historical context will provide a foundation for interpretation, coupled with a variety of critical perspectives brought to bear on the literary works studied. Students are strongly encouraged to take the Advanced Placement examination in English Literature and Composition.

Honors English 4/Mythology 5 Credits – Dual Credit (Fulfills Graduation Requirement)

This senior English elective provides an introduction to the nature and function of myth. The specific literature studied will be exclusive of classical mythology and because of the breadth of subject matter will vary in content. This is a senior English class that consists of myths, hero-tales and legends that represent a society's basic cultural and moral values recorded in literary form. Students will read the basic mythologies of Greece, Rome, the Middle East, Northern Europe, the British Isles, the Far East and Pacific Islands, Africa, and the Americas. Students will analyze the stories and trace parallel elements to show that human beings are remarkably alike in their principal values and concerns. This course illustrates the influence of these myths on the art, literature and culture of the modern world. Students will also continue to develop their writing skills and their use of the writing process.

CP English 4/ Writing and Genre Studies (Graphic Novels) 5 Credits (Fulfills Graduation Requirement)

Writing/Genre Studies is an elective course in which students will explore various genres in order to discover strengths and preferences in their own writing. This course will be writing intensive as we will explore how to express our thoughts in various genres. The primary focus of this course is for students to be able to read critically and write creatively using multi-genre texts. This course examines the various genres of text including applications, books (children's, how-to, manual), essays (college, prose, literary), guides, letters, memoirs, newspapers/magazines, reviews, resumes, scrapbooks, scripts, and short stories with a specific focus on *nonfiction informational text, fiction, poetry, and contemporary graphic novels*.

CP English 4/True Crime Studies in Literature 5 credits (Fulfills Graduation Requirement)

In this multimedia course, students will explore the significance of crime in North America as a narrative form. This class will trace the roots of this nonfiction form including reading and analysis of Truman Capote's *In Cold Blood* to the current TV and Podcast series that explore the genre. This course will examine how a culture's changing relationship to "real life" crime over the years can help us understand the fundamental and complex role criminality plays in defining a people at a given point in time.

CP English 4/Exploring Social Justice 5 credits (Fulfills Graduation Requirement)

Exploring Social Justice is designed to raise awareness of social justice and our role as citizens of a diverse society. We explore social justice through the analysis of literature, film, music, podcasts, and art. Students read a variety of texts that explore themes of race, class, gender, the long-term effects of childhood inequalities and other forms of inequality wondering "What would I do? What do I consider 'fair'? What cases have changed the world? How can I make a difference?" The course includes opportunities for students to express their own perspectives and experiences through writing, speaking, and other forms of creative expression.

CP English 4: Making Voices Heard 5 Credits (Fulfills Graduation Requirement)

This course explores the genre of young adult fiction in the 20th and 21st centuries. This course will be focused on depictions of identities that are considered "Other" or "Outside." These identities include anyone who is not white, middle or upper class, able-bodied, heterosexual, cisgender, without mental illness or any sort of cognitive disability, a believer of Western religion, and a member of Western culture, to name a few. We will examine these "Other" narratives and characters in order to examine what they offer readers. The purpose of this course is to expand and explore these young adult narratives as critical cultural and social texts. We'll trace the evolution of the genre in relation to ideas of racial innocence, sentimentality, consent, queer childhood, and revolutionary girlhood, and position the novels within historical contexts such as the rise of mass incarceration, settler colonialism, fantasies of post-racial politics, and environmental disaster. At the end of the course, we'll consider how young adult novels have created not just reading but social justice communities, and explore the kinds of texts and movements that have emerged in relation to young adult novels. The course will use various critical literary approaches to explore novels from the first Golden Age of children's literature to its contemporary incarnation in the 21st century as a way to consider the transformation from child to adult and the global socio-cultural concept of the young adult.

CP English 4/ The Horror Genre through the Ages 5 credits (Fulfills Graduation Requirement)

For centuries, horror has been one of the most popular and lucrative genres of fiction. Humanity's obsession with horror, the supernatural, and the terrifying is as old as society, from violent and gruesome stories of revenge in Greek tragedy, to the fairy tales and folklore of cultures around the globe, to the modern cinema. This course will examine why horror is such a popular and relevant genre, including how horror stories reflect society's tensions, unease, and fears. Students will be exposed to a wide range of horror fiction, including excerpts of a large number of subgenres within larger horror genres.

AP English 4 Language and Composition 5 Credits (Fulfills Graduation Requirement)

Prerequisite: *Teacher Recommendation or Teacher Recommendation and Successful Completion of Summer Prep course*

An AP course in English Language and Composition engages students in becoming skilled readers of prose written in a variety of periods, disciplines and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among the writer's purpose, audience, expectations, and subjects as well as the way generic conventions and the resources of language contribute to the effectiveness in writing. The course allows students to write in a variety of forms—narrative, exploratory, expository, argumentative—and on a variety of subjects from personal experiences to public policies, from imaginative literature to popular culture, with emphasis being on analytical and argumentative.

The AP Language and Composition course assumes that students already understand and use standard English grammar. The intense concentration on language use in this course should enhance their ability to use grammatical conventions both appropriately and with sophistication as well as to develop stylistic maturity in their prose as well. This AP course depends on the development of interpretive skills as students learn to write and read with increasing complexity and sophistication. Students are strongly encouraged to take the Advanced Placement examination in English Language and Composition

College Prep Journalism 5 Credits

Prerequisite: Successful completion of English 2 or Completion of one year of the Publishing Club

This course focuses on honing very communication skill needed to excel in university-level academics including reading/information comprehension, researching, fact-checking, fact-evaluation, organization of material, prioritizing material, time management, lean writing skills, question formation, interviewing techniques, public speaking, presentation of material, quotation integration, proof-reading, editing, rewriting, and drive. No matter what major one intends to pursue in college, College Writing/Journalism offers solid preparation for meeting academic challenges, workload, and the professional adherence to deadlines. This course focuses on solidifying skills in the five core content areas of reading, writing, speaking, listening, and viewing. The student will work through a diverse variety of reading materials, as well as reporting, researching, writing, editing and publishing skills. S/he will interact with the world on an investigative basis, interviewing everyone from fellow students to the top professionals in the area. The idea is to provide students with a guided immersion course that forces them to break down reading, researching, and writing barriers, as well as develop public speaking confidence, and meet creative thinking challenges. The goal is to significantly improve student writing, confidence, organizational skills, time management habits, and professional presentation abilities. All of these skills can be easily, readily and advantageously applied to collegiate study.

College Prep Creative Writing 5 Credits

The Creative Writing elective is a writing workshop. Students will write every day, and they will explore different writing techniques and styles. Writing skills will be developed through pre-writing, editing, re-writing, and critiquing. Students will also examine various styles of writing by reading well-known (and not so well-known) writers of poetry, songs, newspaper columns, short stories, novels, plays, and stream-of-consciousness selections. Goals will be met through a variety of reading, writing, and speaking activities. Additionally, students must be willing to share their work; that is, they must be willing to read aloud and share their ideas with the group. Students will be asked to critique their own work and the work of others in a positive and gentle manner. Students will research critically and/or commercially successful authors to find out their secrets to success. As a community, we will learn a great deal about each other by writing across various modes of art-in-language and describing how our writing works and what it does through various methods centering on close examination of language.

Honors Speech Communication 5 Credits

Speech Communication is a survey course of various types of speaking situations. In their individual and group presentations, students will study speech composition and presentation techniques through the use of style, voice, articulation and physical presence. Additionally, students will focus on critical thinking, problem-solving and creative expression as the basis for their speech work. Students will also use various media to develop, prepare and present their speeches. The goal is to prepare students to speak confidently and eloquently when they enter college, the armed forces, or the workforce post high school graduation.

Honors Race and Representation in Literature 5 credits Grades 10-12 Dual Credit Course

Prerequisites: Successful Completion of English 1

This course focuses on discussions of race, gender, and representation in nonfiction and fictional works of literature. By reading and analyzing essays, dramas, poetry, novels and narratives from a diverse slate of authors from the 20th and 21st centuries, students will be able to evaluate information, consider perspectives that may differ from their own, and articulate arguments through discussion and writing, that contribute to our ongoing national conversation about what it means to be a full citizen of the United States.

Honors Careers in Education 5 Credits - Dual Credit Course

Careers in Education will begin to cultivate and groom the districts' future teachers from within the ranks of Hackensack High School students, themselves. This course will heighten awareness about careers in education and begin the process of recruiting and training future teachers. Students will gain a realistic understanding of the nature of education and the role of the teacher. In addition to exposing students to careers in education one of the expressed goals of the district is to increase the number of qualified teacher candidates from diverse ethnic, racial, social and economic backgrounds. One component of the course will also afford students the opportunity to work within a school to gain hands-on experience in the field of education.

English 1 Lab 5 Credits

Prerequisite: Partially Proficient on grade 8 end of year assessment, and reading score 1 or more years below grade level.

The purpose of this course is to remediate students in the reading and writing skills identified in the NJSLs for ELA as grade level standards to master and which will be tested on the NJSLA ELA 9. Each student will work at his or her own level to develop the skills in reading comprehension and written expression.

English 2 Lab 5 Credits

Prerequisite: Partially Proficient on grade 9 end of year assessment, and reading score 1 or more years below grade level.

The purpose of this course is to remediate students in the reading and writing skills identified in the NJSLs for ELA as grade level standards to master and which will be tested on the NJGPA. Each student will work at his or her own level to develop the skills in reading comprehension and written expression.

English 3 Lab 5 Credits

Prerequisite: Partially Proficient on grade 10 end of year assessment and a reading score 1 or more years below grade level.

The purpose of this course is to remediate students in reading comprehension, test-taking strategies, vocabulary, and writing skills necessary to master and pass the reading and/or writing sections of the NJGPA.

Senior English Lab 1.25 Credits – Quarter Course

Prerequisite: Student has not met State Standardized Testing Requirement in English. This course does not meet the grade 12 English requirement.

The purpose of this course is to remediate grade 12 students in reading comprehension, vocabulary, critical thinking, and writing skills necessary to pass the reading and/or writing sections of a Standardized English assessment. Students will complete the mandated State Portfolio Assessment tasks—working individually and at their own pace. This course also focuses on preparing and transitioning students into the next phase of their lives by reinforcing work in the five core content areas of reading, writing, speaking, listening, and viewing.

Mathematics Courses

Graduation Requirement: Algebra, Geometry, Third year that builds on Algebra and Geometry

College Prep Algebra 1 - 5 Credits (Fulfills Graduation Requirement)

Prerequisites: *Departmental Approval*

This course extends students' understanding of functions to include linear, quadratic, and exponential functions as well as data analysis. Students use the characteristics of these functions to model real-world phenomena and situations encountered in daily life. In addition to a rigorous mathematical core, this course addresses the social, effective, linguistic, cognitive, and metacognitive dimensions of learning mathematics using visualizations, animations, simulations, and physical models.

Honors Algebra 1 - 5 Credits (Fulfills Graduation Requirement)

Prerequisites: *Completion of 8th grade math with a grade of A; 8th Grade NJSLA Math score of 770 or higher, Teacher recommendation*

This course examines the structure of real numbers, algebraic expressions, and functions at an accelerated pace in order to prepare students for Honors Geometry and Honors Algebra 2. The topics studied are linear equations, inequalities, functions and systems, quadratic equations and functions, polynomial expressions, and the elementary properties of functions. Mathematical modeling of real-life problems and problem solving are major themes of the course.

College Prep Geometry 5 Credits (Fulfills Graduation Requirement)

This course includes an in-depth analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. Topics include logic and proof, parallel lines and polygons, perimeter and area analysis, volume and surface area analysis, similarity and congruence, trigonometry, and analytic geometry. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument. Students will be required to use different technological tools and manipulatives to discover and explain much of the course content.

Honors Geometry 5 Credits (Fulfills Graduation Requirement)

Prerequisites:

- *Successful completion of Algebra 1 with a grade of B+ or better and recommendation of the Algebra 1 teacher*
- *Departmental approval.*

This accelerated course includes an in-depth analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts, as well as real-world problem situations. Topics include logic and proof, parallel lines and polygons, perimeter and area analysis, volume and surface area analysis, similarity and congruence, trigonometry, and analytic geometry. Additional topics studied are transformational geometry, vector geometry (optional), and geometric probability. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument. Students will be required to use different technological tools and manipulatives to discover and explain much of the course content.

College Prep Algebra 2 5 Credits (Fulfills Graduation Requirement)

This course expands on the topics of Algebra 1 and provides further development of math concepts including linear and quadratic equations, inequalities, relations, functions, radicals, imaginary and complex numbers, sequences and series. Emphasis is placed upon development of math skills through the study of exponential and logarithmic functions, and elements of trigonometry. Mathematical modeling of real-life problems and problem solving are major themes of the course.

Honors Algebra 2 5 Credits (Fulfills Graduation Requirement)

Prerequisites:

- *Successful completion of Algebra 1 with a grade of B or better; Successful completion of Honors Geometry with a grade of B or better*
- *Placement shall be contingent upon a final grade of B or better in Geometry at the end of the eighth grade;*

This accelerated course expands on the topics of Algebra 1 and provides further development of math concepts, including linear and quadratic equations, inequalities, relations, functions, radicals, imaginary and complex numbers, sequences and series. Additional topics studied are matrices, determinants, and linear programming. Emphasis is placed upon development of math skills through the study of exponential and logarithmic functions, and elements of trigonometry. Mathematical modeling of real-life problems and problem solving are major themes of the course.

Mathematical Modeling 5 Credits (Fulfills Graduation Requirement)

Prerequisite: *Successful completion of Geometry*

This course is the third year course in the three year sequence for mathematics covers all major topics in Algebra 2. The course is designed to build upon the foundational concepts introduced in Algebra 1 and Geometry. The course will provide students with an engaging approach to the fundamental concepts of Algebra 2 by incorporating real-world applications and creative problem-solving techniques. **(This course will satisfy all the prerequisites for the 3rd year math course for the State of New Jersey graduation requirements.)**

College Prep Precalculus 5 Credits (Fulfills Graduation Requirement)

Prerequisite: *Successful completion of Algebra 2 with a grade of C or better*

This course is offered for those who plan to study mathematics and related subjects in college. This course includes topics from trigonometry, analytic geometry, and analysis. Topics include: Trigonometric functions, graphs in Cartesian and polar coordinates, exponential and logarithmic functions.

Honors Pre Calculus 5 Credits (Fulfills Graduation Requirement)

Prerequisites:

- *Successful completion of Honors Algebra 2 with a grade of B or better, or Successful completion of Algebra 2 with a grade of A*

This advanced course is offered for those who plan to study mathematics and related subjects in college. This course includes topics from trigonometry, analytic geometry, and analysis. Topics include: Trigonometric functions and identities, graphs in Cartesian and polar coordinates, exponential and logarithmic functions.

AP Precalculus 5 Credits (Fulfills Graduation Requirement) Dual Enrollment

Prerequisites: *Successful completion of Honors Algebra 2 with a grade of B or better, or Successful completion of Algebra 2 with a grade of A*

The Advanced Placement Program offers a course description and exam in precalculus to secondary school students to prepare students for college-level mathematics and science courses. Students who successfully complete the course and exam may fulfill a math requirement at a range of colleges and universities. The purpose of the course is for students to build mastery of modeling and functions as they examine different scenarios through multiple representations and explore everyday situations using mathematical tools and lenses. Topics include: polynomial and rational functions, exponential and logarithmic functions, trigonometric and polar functions, functions involving parameters, vectors, and matrices.

Math Analysis (AP Calculus BC 1) 5 Credits (Fulfills Graduation Requirement) [Grade 11]

Prerequisites:

- *Successful completion of Honors Calculus with a grade of B or better, or*
- *Successful completion of CP Precalculus with a grade of A, or*
- *Recommendation of the Pre-Calculus teacher and Departmental approval*

Math Analysis (AP Calculus BC 1) is the first course of a two-year study of AP Calculus BC. The course is intended to prepare the student to successfully pass the AP Calculus BC exam. Upon completion of the 2nd year of study, students will be expected to take the AP Calculus BC exam. The major topics of study in Math Analysis will be a review of Algebra 2 concepts, limits and continuity, differential calculus and its applications, and the definite integral. The curriculum emphasizes the use of technology as a tool to facilitate learning. Students will learn to solve problems in various ways, either by a numerical, analytical, or graphical approach. Therefore, students will use the graphing calculator to analyze and solve problems.

AP Calculus BC 5 Credits (Fulfills Graduation Requirement)

Prerequisites:

- *Successful completion of Honors Calculus with a grade of B or better, or*
- *Successful completion of CP Precalculus with a grade of A, or*
- *Recommendation of the Pre-Calculus teacher and Departmental approval.*
- *Successful completion of Math Analysis (AP Calculus BC 1)*

An AP course in calculus consists of a full high school academic year of work that is comparable to calculus courses in colleges and universities. The major topics of study include integral calculus with applications, sequences and series, Taylor Polynomials & series, calculus including parametric, polar, and vectors. It is expected that students who take an AP course in calculus will seek college credit, college placement, or both, from institutions of higher learning. The content of Calculus BC is designed to qualify the student for placement and credit in a course that is one course beyond that granted for Calculus AB.

AP Calculus AB 7 Credits (Fulfills Graduation Requirement)

Prerequisites:

- *Successful completion of Honors Calculus with a grade of C or better, or*
- *Successful completion of CP Precalculus with a grade of B or*
- *Recommendation of the Pre Calculus teacher and Departmental approval.*

The topics studied in AP Calculus AB are those traditionally offered in the first year of calculus in college, and designed for students who wish to obtain a semester of advanced placement in college. The topics studied include limits, continuity, derivatives, and integrals of algebraic and transcendental functions and their applications, and elementary differential equations.

AP Statistics 5 Credits-Full Year

Prerequisite:

- *Successful completion of Algebra 2 with a grade of B or better, or Recommendation by the teacher*

The Advanced Placement Program offers a course description and exam in statistics to secondary school students who wish to complete studies equivalent to a one semester, introductory, non-calculus based, college course in statistics. Students who successfully complete the course and exam may receive credit, advanced placement, or both for one-semester introductory college statistics course. The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data.

Introduction to Computer Science (2.5 Credits, Semester) – Grade 9

Criteria: N/A

Introduction to Computer Science is a fundamentals semester course designed to present students with a survey of various Computer courses and pathways being offered including Computer Science Essentials, Computer Science Principles, and Computer Science A. The student will be introduced to the power of programming as it relates to AI systems and the STEM pathway. Students will develop a program that performs a specific task that fill an identifiable human need or want as a final project. Students enrolled in this course will take Financial Literacy (Personal Finance) in the other semester.

Computer Science Essentials: (5.0 Credits, full year) - Grades 10,11,12

Criteria: Successful completion of Intro to STEM or Intro to Computer Science and Teacher Recommendation

Students will experience the major topics, big ideas, and computational thinking practices used by computing professionals to solve problems and create value for others. This course will empower students to develop computational thinking skills while building confidence that prepares them to advance to Computer Science Principles and Computer Science A.

AP Computer Science Principles: (5.0 Credits, full year) - Grades 10,11,12

Criteria: Successful completion of Computer Science Essentials and Teacher Recommendation

Using Python as a primary tool, students explore and become inspired by career paths that utilize computing, discover tools that foster creativity and collaboration, and use what they've learned to tackle challenges like app development and simulation. Note: The course is endorsed by the College Board, giving the students the opportunity to take the AP CSP exam for college credit.

AP Computer Science A: (5.0 Credits, full year)

Criteria: Successful completion of A Computer Science Essentials with a grade of B+ or better and Teacher Recommendation

This course introduces students to college-level computer science through programming. Topics include designing solutions to problems, using data structures to organize large sets of data, developing and implementing algorithms to process data and discover new information, analyze potential solutions, and ethical and social implications of computing systems. This course emphasizes object-oriented programming and design using the Java programming language. This course is aligned to the AP CSA framework.

Cybersecurity: (5.0 Credits, full year)

Criteria: Successful completion of Computer Science Essentials or an AP Computer Science course. This course is designed to introduce high school students to the fundamental principles and practices of cybersecurity. It aims to equip students with the knowledge and skills necessary to protect themselves and their information in the digital world, as well as prepare them for potential careers in computer science, cybersecurity, or IT.

Honors Discrete Mathematics/Statistics 5 credits Dual Credit

Prerequisite: Successful completion of Algebra 2 with a grade of B or better, or Departmental approval

Discrete Mathematics is an advanced level mathematics elective and Middle College Course (MCC) offered to students who have successfully completed Algebra II or a higher-level mathematics course. Successful completion of the course provides students with dual credit – high school credit and credit accepted at Fairleigh Dickinson University. The course is separated into two semester-long segments: Discrete Math and Statistics. Throughout the course of the year, students will engage in many class projects including, but not limited to the concepts of Voting Methods, Fair Division, Circuits and Networking, Probability, and Binomial and Normal distributions.

Advanced Senior Math 5 Credits

Prerequisite: Successful completion of Algebra 2

Advanced Senior Math is designed to help students extend their knowledge of mathematics and develop appropriate consumer and career mathematical skills. Course content will cover such topics as basic operations, ratio, percent, algebra and geometry concepts, probability, measurement, consumer and career-application topics, and test-taking strategies. Technology will be integrated.

CP Financial Algebra 5 Credits (Junior/Senior Elective)

Prerequisite: Successful completion of Algebra 2 or Mathematical Modeling

This course equips students to become financially-responsible young adults by applying advanced mathematics to make informed decisions regarding matters of money. Students use linear, exponential, piecewise, quadratic, and step functions to model income and expenses. Algebra, probability, statistics, and geometry are used to solve financial problems that occur in everyday life. Such problems include income and taxation, compound interest, loan amortization, car ownership, and the stock market. Students also investigate problems in the context of business ownership, such as supply and demand, revenue and profit functions, and breakeven analysis. Throughout the course, students extend their proficiency with spreadsheets and graphing technology.

Bilingual/ELL Algebra 1 5 Credits (Fulfills Graduation Requirement)

This course examines the basic structure of real numbers, algebraic expressions, and functions. The topics studied are linear equations, inequalities, functions and systems, quadratic equations and functions, polynomial expressions, and the elementary properties of functions. Mathematical modeling of real-life problems and problem solving are major themes of the course.

Bilingual/ELL Geometry 5 Credits (Fulfills Graduation Requirement)

Prerequisites: Successful completion of Algebra 1; Successful completion of Algebra 2 This course includes an in-depth analysis of plane, solid, and coordinate geometry as they relate to both abstract mathematical concepts as well as real-world problem situations. Topics include logic and proof, parallel lines and polygons, perimeter and area analysis, volume and surface area analysis, similarity and congruence, trigonometry, and analytic geometry. Emphasis will be placed on developing critical thinking skills as they relate to logical reasoning and argument. Students will be required to use different technological tools and manipulatives to discover and explain much of the course content.

Bilingual/ELL Algebra 2 5 Credits (Fulfills Graduation Requirement)

Prerequisites:

- Successful completion of Algebra 1

Senior Math Lab 1.25 credits Quarter Class

Criteria: Student has not met State Standardized Testing Requirement in Math

Students will complete the mandated State Portfolio Assessment tasks—working individually and at their own pace

Science Courses

Graduation Requirement: Biology, Chemistry, another lab based science

College Prep Environmental Science 5 Credits, grades 9-12 (Fulfills Graduation Requirement)

CP Environmental Science is designed primarily for those students who are interested in Science, specifically one of the many Environmental Sciences, as a college major. The goal of this course is to provide students with the scientific principles, concepts, and methodologies to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, and to evaluate the risks associated with these problems and examine alternative solutions for resolving and/or preventing them. Topics include, but are not limited to, Earth Systems and Resources, The Living World, Populations, Land and Water Use, Energy Resources and Consumption, Pollution, and Global Change. CP Environmental Science is a college preparatory, laboratory-based course grounded in the New Jersey Student Learning Standards for Science (NJSL-S). It is a laboratory course that offers learning experiences designed to help students attain scientific literacy through mastery of the Science and Engineering Practices, Cross Cutting Concepts and Disciplinary Core Ideas as outlined in the NJSL-S. Students will have the opportunity to make sense of real world phenomena by engaging in scientific argument using real and virtual evidence.

College Prep Biology 5 Credit (Fulfills Graduation Requirement)

CP Biology is a college preparatory, laboratory-based course grounded in the New Jersey Student Learning Standards for Science (NJSL-S). It is a laboratory course that offers learning experiences designed to help students attain scientific literacy through mastery of the Science and Engineering Practices, Cross Cutting Concepts and Disciplinary Core Ideas as outlined in the NJSL-S. Students will have the opportunity to make sense of real world phenomena by engaging in scientific argument using real and virtual evidence.

Honors Biology 7 Credits (Fulfills Graduation Requirement)

Prerequisites:

- *Proficient/Advanced Proficient score on the NJASK 7 Mathematics Section*
- *Successful completion of grade 8 Science with a grade of B+, or 8th grade enrichment science with a C+ or higher*
- *Successful completion of grade 8 Language Arts and Math with a grade of B*
- *Achieve Advanced Proficient score of 250 or higher on the NJ ASK*

Honors Biology is a 7 credit advanced college preparatory class designed to give the students a foundation to achieve success in AP, and College Biology. Students enrolled in Honors Biology are expected to develop problem-solving skills through critical, caring, and creative thinking. Students will attain scientific literacy through mastery of the Science and Engineering Practices, Cross Cutting Concepts, and Disciplinary Core Ideas as outlined in the NJSL-S. Students will have the opportunity to make sense of real world phenomena by engaging in scientific argument using real and virtual evidence.

This course will prepare students for Advanced Placement Biology and careers in the research and medical sciences.

College Prep Chemistry/Lab 5 Credits (Fulfills Graduation Requirement)

CP Chemistry is a college preparatory, laboratory-based course grounded in the New Jersey Student Learning Standards for Science (NJSL-S). It is a laboratory course that offers learning experiences designed to help students attain scientific literacy through mastery of the Science and Engineering Practices, Cross Cutting Concepts and Disciplinary Core Ideas as outlined in the NJSL-S. Students will have the opportunity to make sense of real world phenomena by engaging in scientific argument using real and virtual evidence.

Honors Chemistry 7 Credits (Fulfills Graduation Requirement)

Prerequisites: *B in Honors Biology; B+ in CPE Biology; B+ in Algebra 1*

Honors Chemistry is a 7 credit advanced college preparatory designed to give the students a foundation to achieve success in AP, and College Chemistry. Emphasis is placed on the principles in theoretical and descriptive chemistry with accompanying in-depth laboratory experiences designed to prepare students for the necessary skills for AP Chemistry laboratory work. The course will offer a strong emphasis on the study of matter and its structure. This requires that students apply theoretical concepts to laboratory observations for the acquisition of individual knowledge. Mathematical problems are solved systematically, placing the stress on a logical solution rather than a series of memorized formulas. Traditional topics including: principles of chemical reactions, atomic structure, acid-base chemistry, solutions, elements and compounds, kinetic theory, thermodynamics, and equilibrium are explored. All topics will be related to present-day technology and consumerism. Historical development of many topics will be included.

College Prep Physics 5 Credits Grades 11-12 (Fulfills Graduation Requirement)

Prerequisites: *B in CP Chemistry; C in CPE Chemistry; B or higher in Algebra 1 or most recent CP math course*

Physics is the most basic of the sciences. It deals with the behavior and structure of matter. The field of physics is usually divided into the areas of motions, fluids, heat, sound, light electricity and magnetism, and the modern topics of relativity, atomic structure, condensed-matter physics, nuclear physics, elementary particles, and astrophysics. This course involves the study of all of these areas conceptually, as well as the discovery and verification of the key concepts experimentally. A heavy emphasis will be made on physics as the study of motion, which occurs at both the macro and molecular (and atomic) level.

CP Physics is grounded in the New Jersey Student Learning Standards for Science (NJSL-S). It is a laboratory course that offers learning experiences designed to help students attain scientific literacy through mastery of the Science and Engineering Practices, Cross Cutting Concepts and Disciplinary Core Ideas as outlined in the NJSL-S. Students will have the opportunity to make sense of real world phenomena by engaging in scientific argument using real and virtual evidence

College Prep Medical Technology 5 credits

Prerequisites: *2.0 GPA and completion of all required science courses.*

Medical technology is a 5-credit, college preparatory senior-level elective. This course will serve to prepare students for careers in the medical and allied health care fields, as well as preparation for success in a college or university. Medical Technology will expose students to the study of a wide range of medical technologies and procedures that are used to diagnose, monitor or treat a wide range of medical conditions.

CP Physics of Astronomy 5 Credits (Fulfills Graduation Requirement)

Prerequisites: B+ in CP Chemistry; B in CPE Chemistry; B or higher in Algebra 1 or most recent CP math course

The goal of Physics of Astronomy is to empower students to develop understanding of the universe and its constituents. The course will explore various topics in physics and the creation of the universe, from the Big Bang to the cosmic microwave background to star and galaxy formation. Content will include, but is not limited to, Newton's Laws, energy, waves, the history of astronomy, astronomical instruments, stellar evolution, the sun as a star and its relationship to Earth and the environment, cosmology, and dark matter. Particular emphasis will be placed on the importance of astronomy across cultures. Students will engage in astronomical observation and have the opportunity to construct their own instruments and models. In Physics of Astronomy they will learn 21st century skills like computation for image processing and describing the motion of celestial bodies. Most importantly, they will gain a sense of how we are all but a small piece of a grand machine, governed by the laws of science. Although, CP Physics of Astronomy has a strong focus on Space Science, it addresses all of the physical science standards inherent in a physics course as outlined in the NJSLS-S, and is designed to help students attain scientific literacy through mastery of the Science and Engineering Practices, Cross Cutting Concepts and Disciplinary Core Ideas as outlined in the NJSLS-S.

CP Human Anatomy and Physiology 5 Credits Grades 10-12

Prerequisites: C+ in CP Biology; C+ in CP Chemistry. If a student is enrolled in Biology in the 11th grade, they should seek approval from the Science department supervisor., Must have completed, or be concurrently enrolled in 3rd year of required science

This introductory course will allow students to examine how the inner workings of the human body's major organ systems, tissues, and cells interact to provide the structure and function necessary for survival and to maintain homeostasis. In doing so, the student will examine the physiology of the human body as well as comparative study of vertebrates with emphasis on laboratory work, and dissection.

Honors Human Anatomy and Physiology 5 Credits -Grades 10-12 Dual Credit Course

Prerequisites:

- B in Honors Biology; B in Honors Chemistry

This course is an honors level, middle college course in human anatomy and physiology. The major goal of this course is to allow students to experience advanced biological techniques and methodology, while studying the human body systems and how they interact on a tissue and cellular level. In doing so, the student will examine the physiology of the human body as well as comparative study of vertebrates with emphasis on laboratory work, and dissection.

AP Biology 7 Credits (Fulfills Graduation Requirement)

Prerequisites:

- C+ in Honors Biology; B in Honors Chemistry; May enroll as a 10th grader, but must be concurrently enrolled in Honors Chemistry With a B+ in Alg 1 and must have completed, or be enrolled in Alg 2

The AP Biology course is designed to be the equivalent of a two-semester introductory college biology course. AP Biology should include those topics regularly covered in a college biology course for majors. It is designed to be taken after successful completion after a first course in high school biology and another in high school chemistry. It aims to provide students with the conceptual framework, factual knowledge and analytical skills needed to deal with the rapidly changing science of biology.

AP Chemistry 7 Credits (Fulfills Graduation Requirement)

Prerequisites: B in Honors Biology ; B+ in CPE Biology; B in Honors Chemistry; ; B+ in CPE Chemistry; B+ in Honors Alg 2, or B+ in Algebra 2. Must have completed, or be enrolled in PreCalc.

The AP Chemistry course is designed to be the equivalent of a two-semester introductory college chemistry course. AP Chemistry should include those topics regularly covered in a college chemistry course for majors. It is designed to be taken after successful completion of a first course in high school chemistry. It aims to provide students with the conceptual framework, factual knowledge and analytical skills needed to deal with the rapidly changing science of chemistry.

AP Physics 1 7 Credits (Fulfills Graduation Requirement)

Prerequisites: B in Honors Chemistry; B+ in CPE Chemistry; C+ in Honors Biology; B+ in CPE Biology; B in Honors Algebra 2, or B+ in Algebra 2 (Must have completed Algebra 2)

This AP Physics course is intended to be representative of a physics course commonly offered in colleges and universities. In AP Physics B, course topics include topics in both classical and modern physics. Knowledge of Algebra and basic trigonometry is required for the course; the basic ideas of calculus may be introduced in connection with physical concepts, such as acceleration and work. Understanding the basic principles involved and the ability to apply these principles in the solutions of problems is a primary goal of the course.

AP Physics C 7 Credits (Fulfills Graduation Requirement)

Prerequisites: C+ in AP Physics 1; B+ in Advanced Physics; B in Honors Chemistry; B+ in Advanced Chemistry; C+ in Honors Biology; B+ in Advanced Biology; B in Pre-Calculus and enrolled in Calculus A/B; C+ in Math Analysis and enrolled in Calculus B/C

This AP Physics course is intended to be representative of a physics course commonly offered in colleges and universities. In AP Physics C, roughly one-half year is devoted to mechanics. Use of Calculus in problem solving and in derivations is expected to increase as the course progresses. In the second half-year of the C course, the primary emphasis is on classical electricity and magnetism. Calculus is used freely in formulating principles and in solving problems

AP Environmental Science 5 credits (Fulfills Graduation Requirement)

The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography

Advanced Science Research and Design 5 Credits

Prerequisites: concurrently enrolled in or completed AP Biology, AP Chemistry, AP Physics, or AP Environmental Science

This 5 credit honors level course will allow students to engage in authentic scientific research, including identifying a problem or question, a rationale, abstract, background information/literature review, methods, data collection and analysis, discussion and findings. Students will strive to attain mentors in industry or universities to help guide their research and will present their findings at conferences, publish, or enter research competitions. Research topics will be selected on an individual basis with consultation from the teacher, mentor, and department supervisor, and topics may address a number of scientific content areas, including biology, chemistry, physics, engineering, and environmental and earth science. Students will be assessed by structured logs and reports at least every other week, and will also be assessed on their final presentation. This course will complement an AP Science course load in preparation for students who are interested in scientific research, engineering, or medical and veterinary school after high school. Students will learn that scientific research is intended for the betterment of society and will also wrestle with topics at the intersection of scientific research, funding, socio political issues, and social justice.

Medical Sciences 1--5 credits

The Principles of Biomedical Science (PBS) course designed to provide an overview of all the courses in the biomedical science program and lay the scientific foundation for subsequent courses. Students investigate concepts of biology and medicine as they explore health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. Students will investigate lifestyle choices and medical treatments that might have prolonged the woman's life and demonstrate how the development of disease is related to changes in human body systems. The activities and projects in PBS introduce students to human physiology, basic biology, medicine, and research processes and allow students to design experiments to solve problems. Key biological concepts, including maintenance of homeostasis in the body, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. This course is designed to provide an overview of all the courses in the biomedical science program and lay the scientific foundation for subsequent courses.

Biology of Insects - 2.5 credits (does NOT meet Science graduation requirement)

Prerequisites: Must be concurrently enrolled in graduation required science course, or by approval from Science Supervisor AND committed to enroll in Sustainable Manufacturing

In this course, the Biological Study of Insects (Entomology) students will learn about the significance of insects in our local ecosystem, classify insects taxonomically, study insect life cycles, which will include growing various insect species from egg to adult during the course; the knowledge gained will be applied in "Sustainable Manufacturing" to help students learn how to control and stimulate the production of honey.

8016 Sustainable Manufacturing- 2.5 credits

Prerequisite: Must commit to enroll in 2.5 credit Biological Study of Insects

As a semester complement to the Biological Study of Insects, students in this course will learn about responsible stewardship of the environment through the practice of green building technology and small projects designed to protect and sustain our local ecosystems. Lightweight machinery and hand tools will be used with particular attention to safety practices.

Biology (with ELL support) 5 Credits [follows the CP Biology Curriculum] (Fulfills Graduation Requirement)**Chemistry (with ELL support) 5 Credits [follows the CP Chemistry Curriculum] (Fulfills Graduation Requirement)****Environmental Science (with ELL support) 5 Credits [follows the CP Environmental Science Curriculum] (Fulfills Graduation Requirement)**

Social Studies
Graduation Requirement: US History 1, US History 2, World History

College Prep United States History 1 5 Credits (Fulfills Graduation Requirement)

This is a course for college bound students, surveying the development of the United States from its foundation in colonial times to the period of Reconstruction. The foundation and establishment of democratic society and government is stressed, and consideration is given to the social, political, geographical and economic problems faced by this nation in its growth and world relationships.

Honors United States History 1 5 Credits (Fulfills Graduation Requirement)

Prerequisite: *Teacher Recommendation*

This course is designed for the motivated student who has been recommended for a challenging social studies program. It is a review of United States history from the age of colonization to the period of reconstruction. The content is guided by central historical events, figures and themes. Teaching methods are guided by historical skills such as analysis of documents, synthesis of perspectives and composition of ideas guided by overarching questions. Student work is the center of class activities, and heavy emphasis is placed on reading and writing. Students will be expected to demonstrate an increased responsibility for their own learning and a strong work ethic.

College Prep United States History 2 5 Credits (Fulfills Graduation Requirement)

Prerequisite: *US History 1*

This course meets the requirements for college bound sophomores. It starts with Reconstruction and continues into the contemporary world. This is accomplished by an examination of the cultural, political, social, economic, geographical, and intellectual movements in American history in the 19th and 20th centuries.

Honors United States History 2 5 Credits (Fulfills Graduation Requirement)

Prerequisite: *Teacher recommendation*

This course is designed for the motivated student who has been recommended for a challenging social studies program. It is a review of United States history from the period of reconstruction to contemporary society. The content is guided by central historical events, figures and themes. Teaching methods are guided by historical skills such as analysis of documents, synthesis of perspectives and composition of ideas guided by overarching questions. Student work is the center of class activities, and heavy emphasis is placed on reading and writing. Students will be expected to demonstrate an increased responsibility for their own learning and a strong work ethic.

College Prep World History 5 Credits (Fulfills Graduation Requirement)

This course will enable the student to view the world as a series of emerging interdependent systems through the methodologies of the social science disciplines. These systems include geographical, ecological, cultural, social, economic, and political events and influences. Students will be able to create, interpret, utilize, and synthesize information from various representations of the earth in order to analyze, explain and answer a variety of regional, national and global geographical questions. They will be able to trace the evolution of the world from the ancient world, through the Middle Ages and the transformation into the modern age in each of the major world areas. Students will also be able to demonstrate an understanding of the problems in the major regions of the world today and what historical events led to these problems.

Honors World History 5 Credits (Fulfills Graduation Requirement)

This course provides a historical perspective for understanding today's pluralistic, multicultural society. By examining the roots of major cultures today, students will better know and comprehend the interconnections and interdependencies prevalent throughout the modern world. This one year eleventh grade honors course will survey the major world civilizations, their historical growth and how this has affected the world today. It highlights the nature of changes in global frameworks and their causes and consequences, as well as comparisons among major societies. Students will utilize their analytical abilities and critical thinking skills in order to understand historical and geographical context, recognize common themes among cultures, interpret documents and primary sources, and discuss different interpretations and historical frameworks.

AP World History 5 Credits (Fulfills Graduation Requirement)

Prerequisite: *Teacher Recommendation*

This course examines world history from prehistoric to modern times. In accordance with College Board guidelines, 30% of the course is devoted to European cultures and 70% of the course is devoted to non-European civilizations such as Africa, Asia, and the Americas. The course focuses on the characteristics of a civilization: geographical factors, politics, conquest/defense, economics, social structure, technology, religion, literature, and art. Students read both primary and secondary source documents. Students receive plenty of writing practice to prepare them for the three types of essay questions on the AP exam: the data based question, the comparative civilization question, and the continuity and change over time question.

AP United States History 5 Credits (Fulfills Graduation Requirement)

Prerequisite: *Teacher Recommendation, Successful completion of US History 1 and 2*

Advanced Placement United States History is a review of United States history from the age of colonization to the present. The content is guided by central historical events, figures and themes. Teaching methods are guided by historical skills such as analysis of documents, synthesis of perspectives and composition of ideas guided by overarching questions. Student work is the center of class activities, and heavy emphasis is placed on reading and writing.

College Prep Black Studies 5 Credits

Black Studies is an elective course that will survey the experiences of children of the African Diaspora both past and present. In looking at the Diaspora, it includes Africa, North and South America, the Caribbean and any other parts of the world to which Africans have been dispersed through the slave trade. We will study history and see how it has impacted people worldwide. The course will be divided into four distinct areas, one of which will be covered each marking period. The areas that are to be covered are history, literature, film, music and art, and politics/government.

Honors Contemporary Studies 5 Credits – Dual Credit Course

Contemporary Studies is a course of study built upon controversial social issues in today's society such as democracy, media, gender, race and terror. The purpose of this course is to not only present a body of knowledge but to teach students that the present is connected to the past. Therefore, students learn to analyze and synthesize historical information to form and support their opinions on current social issues and injustices. Students will learn to discuss these issues intelligently with their peers, to listen and adjust their opinions as they accommodate their ideas for new information. A prominent goal of this course is for students to learn more about themselves, to articulate their opinions and develop their own moral code.

College Prep Psychology 5 Credits

Introduction to Psychology is offered to 11th and 12th grade students. It has been designed to cover all the topics that have been traditionally considered essential to a broad basic understanding of psychology. This course will enable students to explain and better understand elements of the human experience such as: emotional and intellectual development, perception, problem solving motivation, frustration and conflict, and the basis for disparate personality types and the diverse forms of social behavior

AP Psychology 5 Credits

Prerequisite: Teacher Recommendation

The AP Psychology course was created to introduce students to the methodical and scientific study of the behavior and mental processes of human beings. Students will learn psychological facts, principles, and phenomena connected to the major subfields within psychology. The major content areas covered in the class will include: the history of psychology and its approaches, research methodology, biological bases of behavior, states of consciousness, cognition, developmental psychology, personality theories, abnormal psychology, treatment of psychological disorders and social psychology. The goal of the course is to give students a learning experience that would be equal to that of a college level introductory psychology course. Upon completion of the course, students will have covered the major topics that will appear on the AP psychology exam.

Honors Sociology 5 Credits – Dual Credit Course

This course is open to juniors and seniors. The course examines human interactions within the context of their social settings. It examines external forces such as social institutions and cultural factors that influence the development of human behavior in formal and informal group dynamics. Topics covered include culture, value, norms, deviance, social groups, and social problems. Students will demonstrate knowledge of the structure and function of the various social institutions such as: the family, education, religion, economy and government. They will demonstrate an understanding of the role of personality in human behavior, and the influence of heredity and environments on its development. Students will demonstrate an awareness of the part that culture plays in human behavior, and the ways in which cultures differ and change, or resist change. They will also indicate that he has learned the values of society, and the folkways, mores, and laws, which flow from these values.

AP African American Studies 5 Credits

AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with authentic and varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment. Given the interdisciplinary character of African American studies, students in the course will develop skills across multiple fields, with an emphasis on developing historical, literary, visual, and data analysis skills. This course foregrounds a study of the diversity of Black communities in the United States within the broader context of Africa and the African diaspora.

Honors The African Diaspora: Past and Present 5 Credits- Dual Credit Course

This course is an elective course that offers an interdisciplinary introduction to important historical, political, cultural and artistic issues concerning people of African descent in the United States including: slavery and abolitionism, theories of race and racism, gender and race, the era of Jim Crow, cultural expressions, political and intellectual thought, African American freedom struggles from the seventeenth through the twentieth centuries, and race and public policy. This course will also look at the involuntary and voluntary movement of people from Africa to South America, the Caribbean, and any other parts of the world to which Africans have been dispersed. In this course, students will study the history, while focusing on the achievements of people of African descent and their contributions worldwide. This course is designed to align with college-level expectations for the Fairleigh Dickinson University's Introduction to African-American Studies AFAM1100 (3 Credits).

AP US Government and Politics 5 Credits

AP U.S. Government and Politics is a challenging course that provides students with an in-depth understanding of the American political system. AP U.S. Gov covers topics such as the U.S. Constitution, political beliefs and behaviors, the structure and functions of government institutions (like Congress, the Presidency, and the Supreme Court), civil rights and liberties, elections, and political parties. Through the study of key documents, landmark Supreme Court cases, and current events, students gain insight into the complexities of governance, public policy, and the political processes that shape the nation. The class prepares students for the AP exam, emphasizing critical thinking, analysis, and application of concepts in real-world scenarios.

Honors Academic Decathlon 3 or 5 Credits Grades 10-12 (Class only offered period 1)

Prerequisites:

- *Excellent work ethic/advanced academic background*
- *Ability to attend competitions held in first weeks of February and March*

Academic decathlon is an extracurricular activity where schools compete nationwide in ten different subject areas that include: language and literature, social science, interview, speech, essay, art, music, science, math, and economics. The competitions have a theme each year which provides a focus for the subject content materials. (Some past examples are "The Renaissance", "China", and "The Civil War") The subjects themselves are meant to prepare students for topics and issues they will likely be addressing in their academic future.

Business Courses

Graduation Requirement: Financial Literacy One Half Year

Personal Finance/Careers 2.5 Credits – (Semester Course) (Fulfills Graduation Requirement)

Prerequisites: All Grade 9 students

This course presents essential knowledge and skills to make informed decisions about real world financial issues. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success. Understanding and managing personal finances are key to one's future financial success!

Personal Finance for STEM Careers 2.5 credits - Semester Course (Fulfills Graduation Requirement)

Criteria: *Grade 9 Students scheduled for Honors Biology*

This accelerated, semester course presents essential knowledge and skills necessary to make informed decisions about real world financial issues, particularly for students who will pursue careers in STEM. Students will learn how choices influence occupational options and future earning potential. Students will also learn to apply decision-making skills to evaluate career choices and set personal goals. The course content is designed to help the learner make wise spending, saving, and credit decisions and to make effective use of income to achieve personal financial success. Understanding and managing personal finances are key to one's future financial success!

This course is designed to teach students how to develop and achieve their personal goals in education in order to work and contribute to their communities. Student learning will include assessing his or her own knowledge, skills, characteristics, and interests. Students will be exposed to technology literacy through comprehensive usage of the Microsoft Office Suite, Quicken, COIN Software, Simulation Software, and the Internet. This course explores postsecondary learning options and helps students build the capabilities needed for managing work and life transitions. Students enrolled in this course will also Introduction to STEM Principles in the next semester.

Yearbook Production 5 Credits

Prerequisite: *Senior Standing & Interview with Course Instructor*

Students will prepare two yearbooks, a traditional printed yearbook and an electronic (website) yearbook. This is a hands-on, activity-based course, which focuses on the development of skills leading to specific finished products. Students will learn the fundamentals of photographic composition. They will learn how to use publishing and photo editing software. They will have an opportunity to improve their writing skills.

Accounting for Careers 5 Credits

This course studies the basic principles of recording financial information and practice in the construction, classification, and interpretation of accounts and statements. Comparisons are made in the methods of handling records. Preparation of individual tax forms will be introduced. Subject matter in this course forms the foundation for further study in the fields of Accounting, Economics, and Law.

Honors Accounting 1 5 Credits Dual Credit Course

This is a financial accounting course taught in accordance with generally accepted accounting principles (GAAP). These principles provide the conceptual framework which is the theoretical foundation governing financial accounting and the specific standards that business entities must use in measuring and reporting financial information in published financial statements. Students will learn the systematic approach necessary to keep accurate financial records, analyze business transactions and prepare the basic financial statements. Income tax preparation and financial planning are also taught, along with an introduction to automated accounting using spreadsheet and accounting software. Students will be required to demonstrate critical thinking skills by demonstrating an ability to analyze data and solve problems based on various accounting and business situations. This is a hands-on learning process and students must be prepared to work with professional accounting information and documents on a daily basis.

College Prep Accounting 2 5 Credits Dual Credit Course

Prerequisite: *Successful completion of CP Accounting 1*

The purpose of this course is to expand the student's understanding of and ability in accounting based on what was achieved in CP Accounting 1. This involves a study of special journals, departmentalized accounting, accounting for plant assets, depreciation, inventory, corporation accounting, management accounting, cost accounting and partnership accounting and financial statements for a merchandising business. The course is designed toward the knowledge and skills needed by students preparing for an accounting career after high school.

Principles of Business and Economics 5 credits

The Principles of Business and Finance course is designed to meet the needs of students who have not met the requirements of Personal Finance / Technology / Literacy. The academic skills and knowledge for which this course is designed will enable students to gain a well-rounded view or perspective of various segments of the business world, and the career options available. Students will receive an introduction to Computer Basics, Law, Personal Finance, Accounting, and Entrepreneurship. This course will provide students with insight to business-related career pathways in preparation for college studies and future career success.

College Prep Law 5 Credits

This is an elective subject for students in any curriculum. This course includes topics relevant to the American legal system. Students will explore the development of common law, stages in the growth of law, ethics, our federal and state court systems, constitutional rights, criminal and civil laws, contract laws, the electoral voting process, and career options. Students planning to enter into the field of law will find this course helpful. Knowledge of federal and state laws, civil rights, the United States voting process, and how our court system works is helpful to any student. This course conforms to an academic pathway in business and meets 21st Century Life and Career standards.

Honors Criminal Justice 5 Credits Dual Credit Course

This is an elective subject for students in any curriculum. Emphasis is on the American Criminal Justice System. This course provides both traditional and multimedia instruction. Teaching methods will include technology applications, lecture, cooperative learning tasks, and researching high profile crimes. Guest speakers will be invited to speak to students to discuss current topics relevant to criminal justice. Students will explore terrorism, social and biological explanations for criminal behavior, the most common crimes prosecuted in American courts, defenses to crimes, and the United States prison system. There is a field trip to a criminal court, and students participate in a mock trial.

Honors Economics 5 Credits

Prerequisite: students must have an A in Financial Literacy and an A in Algebra I or B or better in a higher level math course.

This is an introductory course for AP Microeconomics and AP Macroeconomics. This course has been designed to provide students with college-level knowledge and applications in the area of economics. This course will give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. Course begins with a fundamental study of the basic economic concepts, continues by placing primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of governments in promoting greater efficiency and equity in the economy. Students should have a strong foundation in mathematical concepts, be able to express ideas and concepts, and work in both individual and cooperative settings.

AP Macroeconomics 5 credits

Prerequisites: *Honors Economics*

The purpose of this AP course in Macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics.

AP Microeconomics 5 credits

Prerequisites: *Honors Economics, AP Macroeconomics preferred*

AP Microeconomics is an introductory college-level microeconomics course. Students cultivate their understanding of the principles that apply to the functions of individual economic decision-makers by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like scarcity and markets; costs, benefits, and marginal analysis; production choices and behavior; and market inefficiency and public policy.

College Prep Marketing 5 credits

This class introduces the student to one of the top business career areas in the global economy. The class examines the marketing process and its functions, together with the marketing mix (product, price, place, promotion). Students will develop projects in advertising, selling, product planning, public relations and free enterprise. Computer projects and/or simulations will be an important part of this class. Marketing encompasses topics such as: the U.S. economy and its role in global marketing, e-commerce, consumerism, product development, pricing, business competition, advertising, public relations, promotion and careers. Students acquire a strong foundation on how businesses use effective marketing strategies in the business world.

Physical Education Courses

Graduation Requirement: Four Years PE/Health/Driver's Ed

Health Education 1 1.25 credits - (Fulfills Graduation Requirement)

This course, a continuation of health courses taught K-8, addresses the following topics: first aid, fitness and nutrition, mental health and mental illness, and respiratory and circulatory emergencies.

Driver Education Theory 1.25 Credits (Fulfills Graduation Requirement)

This course is an introduction to driving theory. In this course, the following topics are explored: driving rules and regulations, vehicle care, emergency situations, driving under the influence, fines and consequences, and driver responsibility.

Health Education 3 1.25 Credits (Fulfills Graduation Requirement)

This course, a continuation of health courses taught K-9, addresses the following topics: human sexuality, healthy relationships, abuse, bullying, and consumer health.

Health Education 4 1.25 Credits (Fulfills Graduation Requirement)

This course, a continuation of health courses taught K-11, addresses the following topics: Drugs and Alcohol, HIV/AIDS, and Suicide, Death and Dying.

Physical Education 1 3.75 Credits - (Fulfills Graduation Requirement)

This course includes a daily program in dynamic stretching and other types of muscular warm-up exercises. Students are introduced to basic skills and participation in racquet sports, lifetime activities, individual sports, fitness, outdoor sports, indoor team sports, swimming, and invasion games. Participation in the Physical Fitness Testing Program and instructional swimming is expected. Emphasis is on exposure to many activities and skill development.

Physical Education 2 3.75 Credits - (Fulfills Graduation Requirement)

This course includes a daily program in dynamic stretching and other types of muscular warm-up exercises. Students are reintroduced to the basics and are taught more advanced skills in and participation in racquet sports, lifetime activities, individual sports, fitness, outdoor sports, indoor team sports, swimming, and invasion games. Participation in the Physical Fitness Testing Program and instructional swimming is expected. Emphasis is on exposure to many activities and skill development.

Physical Education 3 3.75 Credits - (Fulfills Graduation Requirement)

The most unique quality of the elective program is inclusion of student choice in determining their own program. The major emphasis is encouragement in participation of lifetime activities (yoga/dance), racquet sports (tennis, badminton), individual sports (golf), fitness (fitness training, trx), outdoor team sports (flag football, ultimate frisbee, and softball), indoor team sports (basketball, volleyball), recreational games (ping pong, horse shoes, bocce ball, kickball, knock the pin, and tag games), swimming (novice and advanced), and invasion games (soccer, floor hockey and team handball). Participation in the Physical Fitness Testing Program is expected.

Physical Education 4 3.75 Credits - (Fulfills Graduation Requirement)

The most unique quality of the elective program is inclusion of student choice in determining their own program. The major emphasis is encouragement in participation of lifetime activities (yoga/dance), racquet sports (tennis, badminton), individual sports (golf), fitness (fitness training, trx), outdoor team sports (flag football, ultimate frisbee, and softball), indoor team sports (basketball, volleyball), recreational games (ping pong, horse shoes, bocce ball, kickball, knock the pin, and tag games), swimming (novice and advanced), and invasion games (soccer, floor hockey and team handball). Participation in the Physical Fitness Testing Program is expected.

Adaptive Physical Education/Health 5 credits – Full Year Course (Fulfills Graduation Requirement)

Follows Physical Education/Health Curriculum

Technology and Career Technical Education **Graduation Requirement – Elective or CTE Credits**

Building Trades 1 5 Credits

This course is designed to enable students to become acquainted with and experience the basic fundamentals of carpentry and cabinetmaking. Concentrated study will be made in the fundamental use of hand tools, portable power tools and stationary power machines. The student will make a project, selected by the instructor, which will assure the utilization of all skills taught.

Building Trades 2 5 Credits

Prerequisite: *Building Trades 1*

This course will concentrate on the more advanced skills and demanding aspects of finishing carpentry and cabinetmaking. Units of work will include planning, reading drawings, assembling and finishing.

Building Trades 3 and 4 5 Credits each

Prerequisite: *Building Trades 2*

These classes will be designed for the advanced cabinetmaker or finishing carpenter. The course will enable students to work from an advanced furniture drawing, or one that is designed by the student. Units of work will include veneering, designing, laminating and finishing.

CAD Mechanical Drawing 1 5 Credits - Dual Credit Course

Mechanical Drawing 1 includes the basic skills and fundamentals of drafting. In this course the student will develop the ability to do free hand lettering and sketching, measuring accurately, dimension drawings, and develop and layout various types of drawings. These drawings include working drawings, isometric drawings, section drawings, and auxiliary views.

CAD Mechanical Drawing 2 5 Credits

Prerequisite: *CAD Mechanical Drawing 1*

In this course the student does more advanced work in drafting. The areas covered will include sheet metal, revolution, thread representation, detail and assembly and machine drawing. In machine drawing the student will learn the use of the decimal scale precision instruments.

CAD Mechanical Drawing 3 5 Credits

Prerequisite: *CAD Mechanical Drawing 2*

Engineering Design

This will emphasize the application of the design method to invent solutions to real world technological problems. Students will identify problems, internet research, design and fabricate models or prototype solutions. Problem solving and design skills are taught through a variety of problem solving activities. Hands on themes for this level include but are not limited to, structural, fluid powered and robotic systems.

Architectural Design

Students will use the architectural drawings developed in CAD 2 to add detailed drawings of the plumbing, electrical and cross-section elevations. They will then construct a scale model of their house. The scale model will include all interior features found in a house. Special attention will be given to the construction of stairs and fireplaces. The exterior model of the house will show windows, siding, roofing materials, porches and chimneys.

Principles of Engineering 5 Credits

Principles of Engineering (POE) is a foundation course of the high school engineering pathway. This survey course exposes students to some of the major concepts that they will encounter in a postsecondary engineering course of study. Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of materials and structures, automation, and kinematics. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology.

Residential Construction 5 Credits – Full Year Course

This course allows any male or female to learn all the necessary skills to build and maintain a residential home. Learn what it takes to build a house from the foundation up to the roof. Read blueprints that are drawn up by an architect. Throughout the building process you will learn how to install a complete electrical and plumbing system, similar to the one that exists in your home. Hands-on techniques are taught by building small backyard storage sheds that will include complete electrical and plumbing systems. You will also learn how to use hand and power tools that are associated with this type of construction.

Power Mechanics 1 5 Credits Grades 10-12 - Dual Credit Course

Power Mechanics I is the first course of a three year sequence designed to prepare our students for an entry level position as an automotive technician, to sit for an ASE (Automotive Service Excellence) exam, or to attend a post-secondary automotive training program. The course focuses on automotive development, theory, safety, maintenance and repair, and basic tool use, but the majority of the course is taught through hands-on, experiential learning in the shop on real automobiles. Basic automotive diagnostics are introduced along with the repairs necessary to correct these problem areas. Specific topics of study include safety, safe operation and use of hand and power tools, tires and brake systems repair, oil changes, and the maintenance of general engine performance. Power Mechanics 1 is the first of three courses aligned to the NATEF (National Automotive Technicians Education Foundation) standards.

Power Mechanics 2 5 Credits-Dual Credit Course

Prerequisite: *Power Mechanics 1*

This course requires the students to successfully complete our Power Mechanics I class, and is the second of our three year, NATEF aligned career preparation sequence. Students will be exposed to advanced operations, including use of the computerized scanner, and other diagnostic tools. Repairs will be completed using our "All Data" computer program, an industry standard, and MyAutoMotiveLab, an online curriculum aligned to the NATEF standards. Students will also begin to learn wheel alignment using our Hunter alignment equipment. An emphasis will be placed on diagnosis and problem solving as these skills are highly sought after in the automotive workplace. The majority of the course is taught through hands-on, experiential learning in the shop area on real, customer cars supplemented with online learning in the computer lab. Specific areas addressed are: Engine repair, Engine Performance, Brakes, Suspension and Steering.

Power Mechanics 3 5 Credits-Dual Credit Course

Prerequisite: *Power Mechanics 2*

This course requires the students to successfully complete our Power Mechanics II class, and is the final course in our three year, NATEF aligned career preparation sequence.

Students will continue to work on advanced operations, including use of the computerized scanner, and other diagnostic tools. Repairs will be completed using our "All Data" computer program, an industry standard, and MyAutoMotiveLab, an online curriculum aligned to the NATEF standards. Students will also begin to learn wheel alignment, using our Hunter alignment equipment. An emphasis will be placed on diagnosis and problem solving as these skills are highly sought after in the automotive workplace. The majority of the course is taught through hands-on, experiential learning in the shop area on real, customer cars, supplemented with online learning in the computer lab. Specific areas addressed are: Electrical and Electronic Systems, Engine repair, Engine Performance, Brakes, Suspension and Steering.

Introduction to STEM Principles 2.5 Credits – Semester Course Grade 9

Criteria: *Grade 9 Students scheduled for Honors Biology or CPE Biology*

Introduction to STEM Principles is an accelerated semester course designed to present students with a survey of various STEM principles and hands-on skills including engineering design using CAD software, electronics and robotic systems, computer programming, and prototype development and modeling with 3-D printing, and wood, metal, or plastic fabrication.. As a culminating project, students will develop a solution to a self-identified, human want or need. Students enrolled in Introduction to STEM Principles course will also take Honors Personal Finance for STEM Careers in the next semester.

Introduction to Culinary Arts 5 Credits

Introduction to Culinary Arts is a course designed to introduce students to the culinary arts profession. Emphasis in this course is given to the development of basic competencies related to the culinary arts profession, including culinary math, understanding basic menus and recipes, standardization of kitchen procedures, with a culinary lab experience. Students will be introduced to the skills needed for employability, customer relations, menu planning, recipe use, weights and measurements, conversions, budgeting, safety and sanitation, organizing for efficiency, and lab procedures.

Culinary Arts 2 5 Credits

Prerequisite: *Introduction to Culinary Arts*

The class is geared towards students that would like to further their knowledge in the Culinary and Hospitality field. Both food history and food science will be studied. Cooking procedures such as traditional French technique and the newest culinary trends will be explored. We will continue to work on sanitation and safety procedures. The business side of the Culinary and Hospitality field will be studied in greater detail. Students will be graded on project based instruction as well as the outcome of their dishes.

Culinary Arts 3 5 Credits

Prerequisite: *Culinary Arts 2*

The business side of the Culinary and Hospitality field will be studied in greater detail. We will meet with clients and plan catered events. The students will help design menus for each catering event, as well as, costing out menus, writing purchase orders, dealing directly with food salesmen, inventory control and cost analysis. Culinary Arts III will be introduced into baking and pastries. Garde Manger and more difficult dishes such as soufflés and confits will also be prepared. New cooking techniques such as Sous Vide cooking and Molecular Gastronomy will also be part of the curriculum.

Visual and Performing Arts Courses

Graduation Requirement: One Year

Art 1 5 Credits

Art 1 is basically an exploratory course with wide media exposure. Techniques in the use of pencil, pen and ink, charcoal, pastels, crayons, tempera water-colors, enamels and acrylics are covered. Emphasis is on hand lettering, color theory perspective, figure drawing, portraits and design. Art appreciation is introduced through films, slides, lectures and television programs.

Art 2 5 Credits

Prerequisite: Art 1 and Approval of Art Department

Enrollment consists of both, professionally oriented students, and those who are interested in Art as a part of their cultural background. Advanced projects to improve techniques in multi-varied media are offered in ceramics, firing and stacking of kilns, sculpture, graphics, commercial art, paintings, art appreciation, and presentations introducing modern art. Individual research and reports are required.

Honors Art 5 Credits

Prerequisites: A minimum of one high school level art class, An informal interview. Must be a junior or a senior, Summer Assignment

The journey continues for those students who are beginning to realize that art is becoming an integral part of their lives. These students should demonstrate a strong ability and desire to work towards developing a creative portfolio which reflects their own personal style of communication. Students develop an understanding of what art-making is --- an ongoing process which involves critical thinking and creative problem solving.

Honors Studio Art 10 Credits Double Period

Prerequisite: Art 2 and approval of Art Department Staff

Students who are candidates for art school or college, or students who plan to work in the arts after high school graduation, are accepted in the course. A portfolio is required for presentation to art school or future employers. Selections from all art forms are related to student interests and needs. Personal exploration of materials, tools and processes of art are expected in order to achieve depth in the particular area of study. School and community projects are assigned to each art major with the intention of developing professional experience through posters, diploma lettering, stage scenery, decorations, illustrations and bulletin board displays. Audio-visual material and department art exhibitions supplement visits to art galleries, museums and exhibits. An individual presentation, of an art appreciation subject of the student's own choice, is required once a semester.

Music Appreciation 5 Credits

This is a non-performance course designed to introduce students to the basics of a variety of topics in music including music history, with the goal of improving students' ability to listen to music perceptively. Students will learn about a variety of styles of music including classical, folk/traditional, and popular music from cultures in America and around the world. There is no prerequisite for this course.

Honors Music Theory 5 Credits

This course is designed for the student interested in pursuing a career in the field of music. Previous experience playing an instrument or singing in a choir is recommended but not necessary. The course will cover: note recognition, triads, seventh chords, melodic and harmonic intervals, scales, four-part writing, composition, ear training, and sight singing. Weekly quizzes and chapter tests will be given to assess student achievement. An original composition will be assigned as a final project at the end of the year.

AP Music Theory 5 Credits

Prerequisite: Honors Music Theory

This course is designed for the student interested in pursuing a career in the field of music. The course will pick up where Honors left off and will cover: secondary dominants, non-chord tones, arranging, analysis, ear training, and sight singing. The course is regulated by the College Board and students must meet all of the criteria. Students will take the College Board AP Music Theory exam in May and will compose a song with extracted parts as a final project to be recorded.

Band 5 Credits

Band is a course open to all students in the 9th, 10th, 11th, and 12th grades. Some proficiency on a stringed, wind, percussion instrument or piano is a prerequisite. Exceptions may be made at the discretion of the instructor. Participation consists of five 40-minute classes per week. In addition, each student will have one period of sectional rehearsal each week on a rotating basis. The sectional lesson may be waived in case of an examination or special class session.

Honors Wind Ensemble 5 Credits

Wind Ensemble is a performance-based course open to all students in the 9th, 10th, 11th, and 12th grades. Students must have at least 2 years of experience playing a band instrument (Stringed instruments such as guitar, violin, viola or cello are not a part of this ensemble). Proficiency on a woodwind, brass or percussion instrument is required. All students entering this class **must audition and be recommended by the band director** in order to enroll. Exceptions may be made at the discretion of the instructor. Participation consists of five 40-minute classes per week. In addition, each student will have one period of sectional rehearsal each week on a rotating basis. The sectional lesson may be waived in case of an examination or special class session.

Mixed Chorus 5 Credits

This course covers methods and procedures for the attainment of superior choral singing, posture breathing, resonance, distinct and natural pronunciation, phrasing, style and interpretation. Fundamental vocal training is available to all without audition. Students will sing a variety of choral music in unison, two, three, and four parts. Students will build their confidence and stage presence and learn vocal technique to improve their singing. More advanced singers will have the opportunity to audition for solos and for all-county chorus. Participation in the winter and spring concerts and the June commencement ceremony are required.

Honors Chorus 5 Credits

Prerequisite: Completion of 2 years of Mixed Chorus & Teacher recommendation based on audition/interview

The foundations for this course are learned in Mixed Chorus. In Advanced Chorus, students will continue to improve vocal technique and will address more difficult concepts in musical notation and terminology, rhythm, diction, and sight-singing. Choral repertoire sung in this course will be more challenging than in Mixed Chorus but will continue to address a variety of styles. Emphasis is placed on musicality and musicianship relating to choral performance and the individual as a singer and concert performer. Participation in all rehearsals and concerts is required.

Musical Theater 1 5 Credits

This course is designed for students who are interested in learning about musical theater through performing songs from musicals in an ensemble. Students should be able to match pitch and should be comfortable singing in a group. The class will also do some monologues and improvisations/theater games, but this is not the primary emphasis of the course. Students will be exposed to musicals and the history of musicals through watching videos of shows. Students will have the opportunity to attend a Broadway show with the music department. Students will also learn basic music reading. Students should keep in mind that this is a vocal music class in the music department. Although no prior music knowledge or experience is required, a student must be willing to sing and learn basic music skills.

Honors Musical Theater 2 5 Credits

This course is designed for students who are interested in continuing to learn about musical theater in greater depth primarily through performing solo songs/duets/small ensembles from musicals. Students should feel comfortable singing solo in front of others and should be able to sing a solo song. Musical Theater/Drama I is a prerequisite for this course, although special permission may be granted to a student with extensive stage experience.

Theater 5 Credits

This introductory course is designed to expose students to the process of creating theater. Students explore acting techniques and will be introduced to the various arts that create a complete theatrical production: acting, sets, costumes, lights, sound, make-up, etc.

Dance 5 Credits

This introductory course is designed to expose students to dance movements and standard dance terms. The class will devote time to stretching and conditioning, emphasizing proper placement and technique. Beginning combinations will stress clean technique and repetitions.

Creative Photography 5 Credits

This course is designed to present the student with a working knowledge of photography as a virtual communication medium. Course content includes use of 35mm camera, lighting and exposure control, film developing and printing technique. The student will contribute to photo displays and exhibits throughout the school system.

Television Communications and Digital Production 5 Credits

This course introduces students to the fundamentals of television production and digital editing. Students will learn the terminology and techniques underlying the production of televised programming. Students will also be familiarized with non-linear editing programs such as Final Cut and Adobe Premiere. Students will be expected to produce both Hackensack High School's Morning Report and short journalism pieces.

Computer Graphics 1 5 Credits

This course will explore the use of the main tools used to create digital art: Adobe Photoshop and Adobe Illustrator. It is designed to prepare the student for future studies in the Graphic Design field. Projects are designed to build the students' portfolios. This course prepares students to apply artistic techniques to express themselves through electronic media using typography, illustration, symbolism, and photography, combined with a firm foundation based on the elements and principle of art to create a basic portfolio of work.

Computer Graphics 2 5 Credits

This course builds upon knowledge and skills developed in Graphic Design I.

Students are expected to demonstrate a sophisticated understanding of design layout, the elements of art, and the principles of design. Through use of Adobe Photoshop, Illustrator, and InDesign, students will use creative problem solving to produce projects involving editorial design, typography, logos and branding, corporate identity, package design, illustration, and advanced visual works of art. The study of traditional as well as contemporary artists and art history will be infused throughout the units of study. Aesthetics, critique, self-assessment and portfolio development will also be covered.

World Languages Courses

Graduation Requirement: One Year

French 1 5 Credits (Fulfills Graduation Requirement)

This course is an introduction to French language and culture. The class addresses basic vocabulary and grammar embedded in thematic units and cultural vignettes. Students will be exposed to the language in its written as well as spoken forms, in order to develop French language listening, speaking, reading and writing skills.

French 2 5 Credits (Fulfills Graduation Requirement)

This course offers a continuation of the audio-lingual approach to French with increasing emphasis on reading and writing. It is designed to expand students' knowledge and competency in French with grammar presented as an integral part of the language. Vocabulary and basic conversation are reviewed and reinforced.

Honors French 2 5 Credits (Fulfills Graduation Requirement)

Prerequisites: Successful completion of French 1 with teacher recommendation or departmental approval

This course is designed for students who intend to take Honors French 3. It follows the French 1 introduction with an accelerated study of the language. Most commonly used tenses in the French language are presented at this level. Although grammar intensive, this course also entails analysis of select literature and cultural aspects of the French speaking world. This class is conducted entirely in French. Students at this level are expected to speak almost exclusively in the target language.

French 3 5 Credits (Fulfills Graduation Requirement)

This course is designed for students to build upon target language skills in the areas of listening, reading, writing, and speaking. Students further develop vocabulary skills through oral and written exercises and through the application of vocabulary to create sentences and short paragraphs in written and oral form. Students gain listening and speaking skills through the use of online activities, audio, video, and authentic resources. Conversational development in familiar themes and topics and the study of Francophone countries and cultures is reinforced.

Honors French 3 5 Credits (Fulfills Graduation Requirement)

Prerequisites: Successful completion of Honors French 2 or departmental approval

This course is designed for students who intend to take AP French. Lessons and course content provide as much exposure as is possible, to authentic materials that will address the listening and reading comprehension skills of each student. Opportunities will also be afforded to practice and to perfect the speaking and writing skills of each student. Grammar from Honors French 2 is reinforced at this level. Essays, projects and alternative assessments are emphasized.

AP French 5 Credits (Fulfills Graduation Requirement)

Prerequisites: Successful completion of Honors French 3*

A college-level course, this class is designed for students who intend to continue their study of French at the college level. It provides as much exposure as is possible, to authentic materials that will address the listening and reading comprehension skills of each student. Daily opportunities will also be afforded to practice and to perfect the speaking and writing skills of each student. The first semester is designed such that each week follows a similar routine, which guarantees practice in each of the four target skills. In the second semester the focus shifts to the AP Exam. While select exercises continue throughout the school year, by mid-March the class will engage in regular practice of previous AP Exams and similar timed testing materials.

Italian 1 5 Credits (Fulfills Graduation Requirement)

This course is designed for students who are interested in a basic knowledge of the Italian language. It offers an introduction to Italian language and culture. The class addresses basic vocabulary and elementary grammar embedded in thematic units and cultural vignettes. Students will be exposed to the language in its written as well as spoken forms.

Italian 2 5 Credits (Fulfills Graduation Requirement)

Prerequisite: Successful completion of Italian 1

This course offers a continuation of Italian I with increasing emphasis on speaking, reading and writing in the target language. It is designed to expand students' knowledge and competency in Italian. Grammar, vocabulary and basic conversation are reviewed and reinforced.

Italian 3 5 Credits (Fulfills Graduation Requirement)

Prerequisite: Successful completion of Italian 2

This course is designed to apply and reinforce the fundamentals of the Italian language in the areas of listening, reading, writing, and speaking as well as to continue the acquisition of more complex grammatical structures, vocabulary, and syntax. Students further develop these skills, by creating sentences and short paragraphs in written and oral form. Students gain listening and speaking skills through the use of online activities, audio, video, and authentic resources. At this level, more emphasis is given to increased ability and effort to use the target language both spontaneously and in guided class activities. Thematic Units of study further explore Italian culture.

Honors Italian 2 5 Credits (Fulfills Graduation Requirement)

Prerequisites: Successful completion of Italian 1 with teacher recommendation or departmental approval

This course is designed for students who intend to take Honors Italian 3. It follows the Italian 1 introduction with an accelerated study of the language and greater emphasis on reading and writing. Although grammar intensive, this course also entails analysis of select literature and cultural aspects of the Italian speaking world. This class is conducted almost exclusively in Italian.

Honors Italian 3 5 Credits (Fulfills Graduation Requirement)

Prerequisites: Successful completion of Honors Italian 2 or departmental approval

This course is designed for students who intend to take AP Italian. Lessons and course content provide as much exposure as is possible, to authentic materials that will address the listening and reading comprehension skills of each student. Daily opportunities will also be afforded to practice and to perfect the speaking and writing skills of each student. Classes are designed to offer practice in each of the four target skills: listening, speaking, reading and writing. Units of study will further explore Italian culture, conversation and journalism.

AP Italian 5 Credits (Fulfills Graduation Requirement)

Prerequisites: Successful completion of Honors Italian 3*

A college-level course, this class is designed for students who intend to continue their study of Italian at the college level. It provides as much exposure as is possible, to authentic materials that will address the listening and reading comprehension skills of each student. Daily opportunities will also be afforded to practice and to perfect the speaking and writing skills of each student. The first semester is designed such that each week follows a similar routine, which guarantees practice in each of the four target skills. In the second semester the focus shifts to the AP Exam. While select exercises continue throughout the school year, by mid-March the class will engage in regular practice of previous AP Exams and similar timed testing materials.

Heritage Spanish 1 5 Credits (Fulfills Graduation Requirement)

Prerequisites: Teacher recommendation or qualifying placement test score

This course is designed for second and third generation Latino students or native Spanish speakers who need to further develop their heritage language literacy skills. This course follows the guidelines of The New Jersey Student Learning Standards for World Languages. It helps students to develop basic listening, speaking, reading, and writing skills.

It offers students of Hispanic heritage ample opportunities to study Spanish formally in an academic setting in the same way native English-speaking students study English language arts. The course allows students to develop an appreciation for their language and cultural heritage, while fostering the acquisition of literacy and cognitive academic skills. Students enhance their Spanish vocabulary, and learn to discern the different registers of language usage. Instructional goals focus on grammar, reading and writing, vocabulary development, exposure to the language and culture and its communities, and consciousness-raising activities about language and identity.

Honors Heritage Spanish 1 5 Credits (Fulfills Graduation Requirement)

Prerequisites: Teacher recommendation, qualifying placement test score

This course is designed for students who are native or heritage speakers of Spanish and who wish to develop cognitive academic skills related to reading, writing and speaking in their own language. At this level, the teacher will facilitate instruction entirely in Spanish and students will demonstrate communicative competence by communicating primarily in Spanish. Students will exhibit the ability to form and use basic sentence structures, diacritic marks of the Spanish language, and the following verb conjugations: moods and tense of all regular and irregular verbs in the passive and active voice. In addition to developing proficiency in these grammatical structures, students will engage in reading and analysis of Latin American literature and be able to produce written responses to literature. Students will thus demonstrate their ability to comprehend, summarize, (both orally and in writing), and discuss materials written in the Spanish language, via varied classroom activities that foster language development and cultural appreciation.

Honors Heritage Spanish 2 5 Credits (Fulfills Graduation Requirement)

Prerequisites: Completion of Heritage Spanish I, teacher recommendation, qualifying placement test score

This course is designed for second and third generation Latino students or native Spanish speakers who have taken and passed Heritage Spanish I or scored accordingly on the Spanish for Native Speakers Placement Test. *Heritage Spanish II* follows the guidelines of The New Jersey Student Learning Standards for World Languages. It helps students to develop and challenge their abilities in listening comprehension, speaking, reading, and writing. Grammar, lexical, syntactical, and essay-writing skills introduced in *Heritage Spanish I* are further developed in this course. This course offers students of Hispanic heritage ample opportunities to study Spanish formally in an academic setting in the same way native English-speaking students study English language arts. The course allows students to develop the language they bring from home further, to learn more about their language and cultural heritage, and to develop Spanish academic language skills. Students not only enhance their Spanish vocabulary, but they also learn to discriminate among the different registers of language usage. Instructional goals focus on grammar, reading, reading comprehension, speaking, writing, vocabulary development, and on the appreciation of major literary works, both prose and poetry, of the Spanish-speaking world and Latino literature in the United States. Students will develop skills, which will enable them to produce writing in various formats and genres.

Honors Heritage Spanish 3 5 Credits (Fulfills Graduation Requirement)

Prerequisite: completion of Honors Heritage Spanish II, teacher recommendation or qualifying placement test score

This course is designed for second and third generation Latino students who have taken and passed Honors *Heritage Spanish II* or scored accordingly on the Spanish for Native Speakers Placement Test. The course targets students who have been formally exposed to listening, speaking, reading and writing in Spanish and need to improve their skills in their native language. Honors *Heritage Spanish III* follows the guidelines of The New Jersey Student Learning Standards for World Languages. It includes a thorough review of the grammar rules and the orthography of Spanish. Students will read and write extensively, give oral presentations, and participate in debates, all while learning about the fundamental grammatical structures of Spanish and the many ways Spanish can be used in both formal and informal settings. Students will be exposed to major literary works, both prose and poetry, of the Spanish-speaking world and Latino literature in the United States.

Spanish 1 5 Credits (Fulfills Graduation Requirement)

Spanish 1 is an audio-lingual approach to language learning designed to teach beginning level students, grounded in the New Jersey Student Learning Standards for World Language. It is a course in which students will develop skills in speaking, reading and writing in Spanish. The course is designed to help students deepen their understanding and appreciation for the language and culture of Spanish speaking countries. The goals for Level 1 are the acquisition of basic vocabulary skills, good pronunciation, listening comprehension and development of conversational skills.

Spanish 2 5 Credits (Fulfills Graduation Requirement)

Prerequisite: Successful completion of Spanish 1

Spanish II is an audio-lingual approach to language learning designed to teach beginning level students, grounded in the New Jersey Student Learning Standards for World Language. It is a continuing course in which students will continue to develop skills in listening, speaking, reading and writing. Spanish I or the equivalent level knowledge and achievement is a prerequisite for this course. Additionally, the course is designed to help students deepen their understanding and appreciation for the language and culture of Spanish speaking countries. The goals for Level 2 are the continued acquisition of vocabulary skills, good pronunciation, listening comprehension, and development of conversational skills as well as increased fluency in writing and comprehension in reading.

Honors Spanish 2 5 Credits (Fulfills Graduation Requirement)

Prerequisite: Teacher recommendation or qualifying placement test score

This course is designed for students who intend to take Honors Spanish 3. It follows the Spanish 1 introduction with an accelerated study of the language and greater emphasis on authentic communication, reading and writing. Although grammar intensive, this course also offers students opportunities to analyze short narratives and further develop an understanding of the Spanish-speaking world. This will be conducted mostly in Spanish.

Spanish 3 5 Credits (Fulfills Graduation Requirement)

Prerequisite: Successful completion of Spanish 2

This course expands and strengthens the students' control of the Spanish language. It builds on the foundation developed in Spanish I and Spanish 2. Students will develop skills in listening, speaking, reading, and writing in Spanish. During this course, students develop their mastery of the language and are able to express themselves using more complex grammar and vocabulary. The course is based on the New Jersey Student Learning Standards for World languages. Much emphasis is placed upon different tenses of the language, so that students not only feel comfortable dealing with Spanish grammar but also deepen their understanding and appreciation for the language and culture of Spanish speaking countries.

Honors Spanish 3 5 Credits (Fulfills Graduation Requirement)

Prerequisite: Teacher recommendation or qualifying placement test score

This course is designed for students who intend to take AP Spanish. It offers students as much exposure as possible, to authentic materials that will address listening, speaking, reading and writing skills. Students will deepen their understanding of the language through analysis of literary selections and contemporary topics. They will demonstrate the ability to summarize and write in various formats, including well-developed paragraphs, literary response items, and expository essays. Units of study and projects will further offer students opportunities to explore Spanish culture and language.

Honors Spanish 4 5 Credits (Fulfills Graduation Requirement)

Prerequisite: Honors Spanish 3, Honors Heritage Spanish 3 or teacher recommendation

This course is designed to follow the Honors Spanish 3 courses. Listening and speaking skills are stressed daily as part of the classroom activity in order to improve facilities in these areas. Proficiency in the reading of literary work (novels, plays, poems, essays) and civilization materials is also emphasized. Writing is in the form of controlled composition and reports based on material covered in class. This also will increase and reinforce the development of communication skills already introduced in previous levels. The goal is to develop the skills of listening, speaking, reading and writing in Spanish through the use of learned vocabulary and grammatical concepts. In addition to continued emphasis on communication skills, there is rigorous emphasis on the study of Spanish and Latin American literature in the target language. The grammar focus in this level is on the subjunctive mood, as well as additional compound tenses, so that students not only feel comfortable dealing with Spanish grammar, but also deepens their understanding and appreciation for the language and culture of the Spanish-speaking world. There is also a review of previously taught linguistic structures, oral recitation, extensive vocabulary and idiom development, as well as composition. Great focus will also be given to the contributions of the Spanish-speaking countries cultures to the world, focusing in their prominent personalities, government, current events, arts, music, values, and character traits for their nations and regions, which will deepen and develop students' understanding and appreciation of the Spanish and Latin American cultures and worlds, as well as students own language and culture.

AP Spanish Language 5 Credits (Fulfills Graduation Requirement)

Prerequisite:

- Successful completion of Honors Spanish 3
- Teacher recommendation or qualifying placement test score

Advanced Placement Spanish Language is a college-level course conducted completely in Spanish. Students are encouraged to practice the target language in their daily classroom interactions with their teacher and classmates. They are also exposed to authentic and level-appropriate reading materials, audio, and video recordings. The course provides ample opportunities for exposure to the world of literature and current events of Spanish-speaking countries through authentic written texts. A thorough review of the major grammatical, syntactical, and linguistic aspects of the Spanish language is conducted in this course.

AP Spanish Literature 5 Credits (Fulfills Graduation Requirement)

Prerequisite: Successful completion of AP Spanish Language or teacher recommendation

This Advanced Placement Spanish Literature course is a college-level course conducted completely in Spanish, and students are expected to use the language in their interactions with the teacher and their peers as well as in all class activities and assignments. All of the works of the official AP Spanish Literature reading list are included in this course. The major movements in Hispanic literature from medieval times through the current literary trends are studied and discussed. Through reading, critical analysis, discussions, comparison, and contrast students transcend the boundaries of national literatures and learn about the ties that exist between Peninsular and Latin American literature. Literature is not taught as an end in itself, but as a means through which we can learn many aspects of Hispanic studies -from everyday customs and traditions to historical and social values and principles, as well as diverse points of view. In order for students to enroll in this course they must have taken and passed successfully AP Spanish Language SFSS III or receive approval from the AP Spanish Literature teacher. At the end of this course, students are expected to have learned:

The major literary movements, writers, trends, and ideas that have shaped the Spanish and Latin American peoples; The tools and techniques of literary analysis; The necessary vocabulary and terminology to engage in discussions about literary criticism both orally and in writing; To analyze critically the form and content of literary works, both prose and poetry; To understand how a literary work relates to the author's life, activities, and aspirations as well as to the socio-cultural and historical context to which it belongs.

Honors Latin American Studies 5 Credits Dual Credit

Latin American Cultural Arts is a Middle College course that introduces students to the artistic language of Latin American countries, its origins, its form and expression of its reality. The class encourages students to expand an interest in Latin American Arts and Culture, and to understand the history and traditions of the region. Through the study of the region's history from Pre-Columbian times to Modern, students will analyze the relationship between art and society, art and culture and art and history. In the class students are also exposed to situations and current events in Latin America and analyze their relevance to the U.S. For students to enroll in this course they must have a B average in their courses and have completed 60 high school credits or receive approval from the teacher.

English Language Learner Courses

Graduation Requirement – Courses interchangeable with English and Social Studies

ESL 1 Reading 5 Credits

This course is designed for students at WIDA ACCESS Level 1 or Entering. This course will address NJSL Standards for Grade Cluster 9-12 in the Key Language Uses of Narrate, Inform, Explain, and Argue. WIDA English Language Development Standards include Language for Social and Instructional Purposes, Language for Language Arts, Language for Mathematics, Language for Science, and Language for Social Studies. This course will focus on the language domains of reading and listening via topics that are relevant to students: family, communities, functional needs, and foundational vocabulary such as numbers, colors, common verbs, common nouns, common adjectives. Students will read, understand, analyze, and respond to controlled texts, video, and audio featuring simple language structures at the word/phrase level, including common verbs, common nouns, common adjectives; at the sentence level, including sentences with one clause, and at the discourse level (short, simple, predictable and decodable texts, video clips, simple articles). Students will develop independent reading habits. Students will demonstrate understanding of language and content via performance-based demonstrations of learning, reading inventories, benchmark assessments in reading and listening, and written responses to reading.

ESL 1-2 Reading & Writing 5 Credits

This course is designed for students at WIDA ACCESS Levels 1 and 2. This course will address NJSL Standards for Grade Cluster 9-12 in the Key Language Uses of Narrate, Inform, Explain, and Argue. WIDA English Language Development Standards addressed in this course include Language for Social and Instructional Purposes, Language for Language Arts, Language for Mathematics, Language for Science, and Language for Social Studies. This course will focus on the language domains of reading and writing via topics that are relevant to students: the immigrant experience; exploration of identity and literary characters; planning for the future and career readiness. Students will develop independent reading and writing habits via the launch of independent reading and writing programs. In addition, students will use the alphabetic principle, knowledge of English letters, graphemes, and syntax to compose original texts, including informational and narrative writing pieces. Students will practice writing predictable sentence patterns featuring simple language structures at the word/phrase level, including common verbs, common nouns, common adjectives, and general language at the discourse level (short, simple, predictable and decodable texts, video clips, simple articles). Students will develop independent writing habits. Students will demonstrate understanding of language and content via performance-based demonstrations of learning, writing benchmark assessments rated with the WIDA Writing Rubric. Students will demonstrate understanding of language and content via performance-based demonstrations of learning, reading inventories, benchmark assessments in reading and writing, and analytical writing.

ESL 2 Reading 5 Credits

This course is designed for students at WIDA ACCESS Level 2 or Emerging. This course will address NJSL Standards for Grade Cluster 9-12 in the Key Language Uses of Narrate, Inform, Explain, and Argue. WIDA English Language Development Standards include Language for Social and Instructional Purposes, Language for Language Arts, Language for Mathematics, Language for Science, and Language for Social Studies. This course will focus on the language domains of reading and listening via topics that are relevant to students: personal interests, sports, school life, personal responsibilities, important historical figures, functional needs, such as getting medical attention, solving a problem at home or in school, expressing complex emotions, describing important relationships, defending a point of view. Students will read, understand, analyze, and respond to controlled texts, video, and audio featuring more complex language structures at the word/phrase level, including verbs and verbal phrases, nouns and noun phrases, adjectives and adjective phrases; at the sentence level, including sentences with multiple clauses, and at the discourse level (longer texts, longer videos, articles). Students will develop independent reading habits of reading for pleasure, for information, and to develop their English language proficiency and knowledge of the cultures of the United States. Students will demonstrate understanding of language and content via performance-based demonstrations of learning, reading inventories, benchmark assessments in reading and listening, and written responses to reading.

ESL 3-4 Reading & Writing 5 Credits

This course is designed for students at WIDA ACCESS Levels 3 and 4. This course will address NJSL Standards for Grade Cluster 9-12 in the Key Language Uses of Narrate, Inform, Explain, and Argue. WIDA English Language Development Standards addressed in this course include Language for Social and Instructional Purposes, Language for Language Arts, Language for Mathematics, Language for Science, and Language for Social Studies. This course will focus on the language domains of reading and writing via linguistically complex texts and topics that are relevant to students: the immigrant experience; exploration of identity and literary characters; planning for the future and career readiness. Students will develop independent reading and writing habits via the launch of independent reading and writing programs. In addition, students will compose original texts, including informational and narrative writing pieces, using specific content and technical language, a variety of sentence lengths of varying linguistic complexity. Students will practice writing sophisticated sentence patterns featuring complex language structures at the word/phrase level, including regular and irregular verbs and advanced verb tenses, technical and content-specific nouns and adjectives; at the sentence level, including sentences with multiple clauses, and at the discourse level (advanced texts, audio clips, video clips, poems and articles). Students will develop independent writing habits. Students will demonstrate understanding of language and content via performance-based demonstrations of learning, writing benchmark assessments rated with the WIDA Writing Rubric. Students will demonstrate understanding of language and content via performance-based demonstrations of learning, reading inventories, benchmark assessments in reading and writing, and analytical writing.

Bilingual Algebra 2 5 Credits (Fulfills Graduation Requirement)

This course expands on the topics of Algebra 1 and provides further development of math concepts including linear and quadratic equations, inequalities, relations, functions, radicals, imaginary and complex numbers, sequences and series. Emphasis is placed upon development of math skills through the study of exponential and logarithmic functions, and elements of trigonometry. Mathematical modeling of real-life problems and problem solving are major themes of the course. The language of instruction is determined by the linguistic needs of the students. The home language will be used with an increase in English as the language of instruction as students develop English Language Proficiency in the academic language of math.

Bilingual US History 1 5 Credits (Fulfills Graduation Requirement)

Bilingual US History I is a beginner history course for all Spanish-speaking students in the bilingual program. It surveys the development of the United States from its foundation in colonial times to the period of construction after the Civil War. The foundation and establishment of democratic society and government is stressed with a special emphasis on the American Constitution. Bilingual language learners are supported via a bilingual approach in which native language instruction is used to facilitate cognitive academic skill development, while also challenging students to transfer these skills to acquire proficiency in English.

CP US History I (with ELL support) 1 5 Credits (Fulfills Graduation Requirement

Criteria: *ESL students that do not qualify for bilingual instruction*

ELL US History I is a beginner history course for all English Language Learners in the ESL program. It surveys the development of the United States from its foundation in colonial times to the period of construction after the Civil War. The foundation and establishment of democratic society and government is stressed with a special emphasis on the American Constitution. ESL language learners are supported with a scaffolded approach to the content. This approach privileges targeted vocabulary and language instruction in an effort to facilitate cognitive academic skill development within a US history context, while also challenging students to acquire proficiency in English.

Bilingual US History 2 5 Credits (Fulfills Graduation Requirement

Prerequisites: *Bilingual U.S. History 1, Native Spanish Speakers*

Bilingual US History 2 follows U.S. History 1 and continues into the contemporary world. Twentieth century American History is studied in detail with a special emphasis on the U.S. as a world power and current events. Bilingual language learners are supported via a bilingual approach in which native language instruction is used to facilitate cognitive academic skill development, while also challenging students to transfer these skills to acquire proficiency in English.

CP US History 2 (with ELL support) 5 Credits (Fulfills Graduation Requirement

Prerequisites: *Bilingual U.S. 1, ELL students who do not qualify for bilingual instruction*

ELL US history 2 follows ESL U.S. History 1 and continues into the contemporary world. Twentieth century American History is studied in detail with a special emphasis on the U.S. as a world power and current events. ESL language learners are supported with a scaffolded approach to the content. This approach privileges targeted vocabulary and language instruction in an effort to facilitate cognitive academic skill development within a US history context, while also challenging students to acquire proficiency in English.

Bilingual World History 5 Credits (Fulfills Graduation Requirement

Bilingual World History is designed to provide students with an understanding and appreciation of World cultures and civilizations via a chronological approach. Students will examine and assess the effects of the development of civilizations beginning with prehistory and continuing through to Egypt, Mesopotamia, classical Greece and Rome, ancient India and China, successors to Rome, Africa, the Americans, Asia (16th –19th century), the rise of the West, changing Western civilization, empire building and conflict, and the modern world. Students will evaluate and analyze political structures, economic systems, and principles of law associated with the various civilizations and demonstrate appreciation for the differences and similarities of the world's cultures. Bilingual language learners are supported via a bilingual approach in which native language instruction is used to facilitate cognitive academic skill development, while also challenging students to transfer these skills to acquire proficiency in English.

CP World History (with ELL support) 5 Credits (Fulfills Graduation Requirement

Criteria: *ESL students that do not qualify for bilingual instruction*

ELL World History is designed to provide students with an understanding and appreciation of World cultures and civilizations via a chronological approach. Students will examine and assess the effects of the development of civilizations beginning with prehistory and continuing through to Egypt, Mesopotamia, classical Greece and Rome, ancient India and China, successors to Rome, Africa, the Americans, Asia (16th –19th century), the rise of the West, changing Western civilization, empire building and conflict, and the modern world. Students will evaluate and analyze political structures, economic systems, and principles of law associated with the various civilizations and demonstrate appreciation for the differences and similarities of the world's cultures. ESL language learners are supported with a scaffolded approach to the content. This approach privileges targeted vocabulary and language instruction in an effort to facilitate cognitive academic skill development within a US history context, while also challenging students to acquire proficiency in English.

Mathematical Modeling (with ELL support) 5 Credits (Fulfills Graduation Requirement)

This course is the third year course in the three year sequence for mathematics that includes both Algebra 1 and Geometry. This course will provide students with additional instructional time dedicated to the analysis of real world problems. Mathematical Modeling will allow students to pursue problem solving from the perspective of topics identified as of interest by student choice. Skills and content acquired from Algebra 1 and Geometry will be applied to activities and tasks as per specific guidelines outlined in the course. **(This course will satisfy all the prerequisites for the 3rd year math course for the State of New Jersey graduation requirements.)**

Accounting for Careers (with ELL support) 5 Credits

This course studies the basic principles of recording financial information and practice in the construction, classification, and interpretation of accounts and statements. Comparisons are made in the methods of handling records. Preparation of individual tax forms will be introduced. Subject matter in this course forms the foundation for further study in the fields of Accounting, Economics, and Law.