



**CARTERET HIGH SCHOOL
PROGRAM OF STUDIES
FOR THE
2020-2021
SCHOOL YEAR**



MISSION STATEMENT

Mission Statement: Drawing on our cultural richness, Carteret Public Schools inspires and empowers students to be innovative, respectful, and confident leaders who will RISE to shape the world.

Core Values: We are

Resilient

Aspiring

Motivated

Bold

Leaders

Educated

and **Ready for Success**



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Mrs. Grace Cunha, Athletic Director

THE SCHOOL COUNSELING DEPARTMENT

Mrs. Dara Benjamin, School Counselor

Ms. Toni-Marie Planko, School Counselor

Ms. Kimberly Vaticano, School Counselor



Philosophy

Carteret High School aspires to be a learning community that fosters collaboration between staff, students and parents. As educators, we will continuously strive to improve teaching methodologies through proven research based practices to ensure that we meet the needs of our uniquely individual learners. We will provide our Carteret High School family a safe learning community that is guided by a code of values that promote respect, diversity, opportunity and organizational structure.

The academic program is designed to ensure mandated programs as well as offer a variety of electives satisfying academic needs and personal interests. Students have an opportunity to personalize their program providing they meet required standards. They can take advantage of an accelerated academic program or choose to be involved in a work study option. Mandated remedial programs are in operation and tutorial help is available for those who request it.

Students are encouraged to actively participate in extracurricular activities. These activities satisfy a variety of student's interests and allow students to develop bonds. Friendships developed through academics, athletics and social activities go a long way in the development of character and citizenship. Participation in all extracurricular activities depends upon compliance with school discipline and attendance policies.



This Program of Studies booklet is a comprehensive resource that students should reference when seeking information regarding courses of study. It contains a description of all courses in the 2020-2021 instructional program, graduation requirements, college admission requirements, guidelines for entrance and withdrawal from courses, standards for special class placement, athletic eligibility rules, the method for computing overall grade point average and pupil records. It is important for parents and students to become familiar with this information before course selections are made.

As you examine the course selections in this booklet, please keep in mind not only your short-term needs, but also your long-term goals. At Carteret High School, we offer a variety of electives from which you may choose, and you should be mindful at all stages of planning that we also have a number of graduation requirements. Students and parents are urged to consult with their school counselor to develop an appropriate academic program. Together, school counselors, students and parents coordinate an appropriate academic plan by reviewing student achievement, interests and aptitude related to individual career or educational goals. Teachers are also available to answer specific questions regarding course requirements and their importance toward intended college/career choices.

Definition of Terms: A philosophy is an expression of the fundamental beliefs concerning the role of the school in a given community. We offer the following definitions which an educational program should comprise:

- Curriculum is the planned and guided learning activities sponsored by the school.
- Core Curriculum refers to those aspects of the school program required of all students. This phase of the curriculum will require common heterogeneous learning experiences for all students and will develop attitudes and skills among students which are necessary for the common good.
- Special Education provides instructional support services to students with learning difficulties.
- Electives represent that aspect of the curriculum which is independent of any specialized curricular pattern and which offers students exploratory, special interest and enrichment courses from which they may select.
- Co-Curricular includes student activities which, rather than being extra-curricular, are actively interwoven into the other three areas of the curriculum wherever possible.
- Prerequisite is a course which you must satisfactorily complete before you may take certain other courses. For example, French II must be taken before French III.
- Co-Requisite is a course which you must take in conjunction with another course.
- Post-Secondary Education is any formalized program of studies occurring after high school.
- Technology-Based Projects will be incorporated into instruction to enhance the student's ability to process and display information in a variety of presentation formats.



Graduation Requirements

Subject Area	Required Credits/Coursework for Diploma
English	20 Credits (4 years)
Math (20 credit suggested if not mastered in Grade 8)	15 Credits (3 years) to include Algebra 1 and/or Geometry (or content equivalent) and a third year of mathematics, such as Algebra 2, that builds on the concepts and skills of algebra and geometry and that prepares students for college and 21st century careers.
Science (20 credits suggested)	15 Credits (3 years) to include 5 credits of laboratory biology/life science; 5 credits of chemistry, environmental science or physics, and 5 credits of an additional lab/inquiry based science.
Social Studies	15 Credits (3 years) to include 5 credits in World History and 10 Credits in United States History; and the integration of civics, economics, geography and global content in all courses.
World Languages (20 credit suggested)	5 Credits required 1 year
Physical Education/Health	4 Credits for PE for each year of enrollment 1 Credits for Health/Drivers Theory for each year of enrollment
Visual & Performing Arts	5 Credits
Practical Arts/Technology 21 st Century Life & Careers	5 Credits
Financial Literacy/Economics	2.5 Credits
Technical Literacy	Technological Literacy, consistent with the New Jersey Curriculum Content Standards, must be integrated throughout the curriculum.
State Assessments	See “Assessment Requirements” chart on the next page.
Total Credits	120 credits – Required minimum



Assessment Requirements

Classes of 2020 through 2022 The amended Consent Order establishes the following pathways for the Classes of 2020, 2021, and 2022 to meet the high school assessment graduation requirements in both English Language Arts/Literacy (ELA) and mathematics:

1. Demonstrate proficiency on NJSLA/NJSLA ELA 10 and/or Algebra I; or
2. Demonstrate proficiency in ELA and/or mathematics by meeting the designated cut score on one of alternative assessments such as other high school-level NJSLA/NJSLA assessments, the SAT, ACT, or ACCUPLACER as defined in the [Graduation Assessment Requirements chart](#); or
3. Demonstrate proficiency in ELA and/or mathematics by submitting, through the district, a student portfolio appeal to the NJDOE.

Each school year the NJDOE will determine the proficiency level needed on the assessments to meet the requirements.

Please feel free to access <https://www.state.nj.us/education/assessment/parents/GradReq.pdf> for the list of assessments required for ELA and math for graduation by class for the graduating classes of 2018-2021.



Requirements for Graduation

In order to graduate from Carteret High School, a student must obtain a minimum of 120 credits in Grades 9 through 12. In addition, the successful completion of certain subjects is required as follows:

CHS Graduation Requirements

	9th	10th	11th	12th
Language Arts	ELA 9	ELA 10	ELA 11	ELA 12
Math	Math	Math	Math	Optional Math Elective
Science	Science	Science	Science	Optional Science Elective
Physical Education	PE/Health	PE/Drivers Theory	PE/Health	PE/Health
Social Studies	World History	U.S. History 1	U.S. History 2	Optional History Elective
World Language	Spanish/French Italian/ Punjabi	*Spanish/French Italian/ Punjabi	Optional Language	Optional Language
Elective	**Financial Literacy/Elective	**Practical or Fine Art	**Practical or Fine Art	Electives
Elective	Freshman Seminar/Elective	Electives	Electives	Electives

Requirements for graduation continued on next page.



* = A minimum of two years of the same World Language should be taken for a four year college.

** = Financial Literacy and Practical of Fine Arts can be taken any year.

20 Credits	Language Arts
15 Credits	Mathematics
15 Credits	Science
15 Credits	Social Studies
5 Credits	Fine Arts
20 Credits	Physical Educations and Health/Drivers Theory for each school year enrolled
5 Credits	Practical Art
5 Credits	World Language
2.5 Credits	Financial Literacy
17.5 Credits	Electives



Sample Course by Grade

	9 th Grade	10 th Grade	11 th Grade	12 th Grade
English	Required: English I and Freshman Seminar English I Honors	Required: English II or English II Honors	Required – one of: English III or Honors English III or AP English Language and Composition	Required – one of: English IV or AP English Language and Literature
Social Studies	Required: World History Economics/Financial Literacy (2.5 credits required for graduation – taken any year)	Required: US History I or US History I Honors	Required: US History II US History II Honors	Optional: AP World History AP US History AP Human Geography or other Social Studies elective
Math	Required – one of: Algebra I Algebra I Honors Geometry Geometry Honors	Required – one of: Geometry or Geometry Honors Algebra II or Algebra II Honors	Required – one of: Algebra II or Algebra II Honors Pre-Calculus Honors or Calculus Honors	Optional (recommended for college bound): AP Calculus AB AP Calculus BC AP Statistics
Science	Required: Biology or Biology Honors	Required: Environmental Science/ Environmental Science Honors Chemistry or Chemistry Honors	Required – one of: Physics/ Environmental Science or Physical Science	Optional (recommended for college bound): AP Biology AP Physics Anatomy & Physiology
World Language	Required: WL Level 1 or 2 French, Spanish, Italian, Punjabi	Required: WL Level 1, 2, 3 2nd level required for 4-year college	Optional (recommended for college bound): WL Level 1, 2, 3, 4	Optional (recommended for college bound): WL 1, 2, 3, 4 or AP Level
Health/PE	Required: Health/PE 9 Fitness/Conditioning	Required: Drivers Theory/PE 10	Required: Health/PE 11	Required: Health/PE 12
Electives	Art/Music (5 credits required for graduation – taken any year)	21 st Century Life Skills (5 credits required for graduation – taken any year)	Elective chosen from Visual and Performing Arts, 21 st Century Life Skills or additional academic program depending on post secondary plans	Elective chosen from Visual and Performing Arts, 21 st Century Life Skills or additional academic program depending on post secondary plans



TIMETABLE FOR COLLEGE-BOUND STUDENTS

FRESHMAN YEAR

January – Inquire through your counselor about enrolling for Honors and Advanced Placement course placement.

Spring – Review with your counselor and parents your course selection sequential plan to insure that by graduation you will have satisfied all college preparatory course requirements.

SOPHOMORE YEAR

October – Take Preliminary SAT 1 (PSAT): REASONING TEST.

February – Review college preparatory course sequence with your counselor and parents.

JUNIOR YEAR

October – Take Preliminary SAT 1: (PSAT): REASONING TEST.

January-March – Counselors will be conducting post-high school planning conferences.

May – Take the SAT I: REASONING TEST/Plan for college/career selection in Naviance.

SENIOR YEAR

September – Begin the college application process.

October – Take the SAT I: REASONING TEST.

COLLEGE PLANNING

Selective colleges and universities use specific academic criteria to evaluate applicants. Students planning to attend college after high school, therefore, are encouraged to consider:

- **Strength of Academic Program**—Many colleges require high school transcripts that show 4 years of Mathematics, 4 years of Social Studies, 4 years of Science, and/or 4 years of World Language for applicants. These requirements exceed high school graduation requirements. Therefore, the decision to take fewer academic courses can negatively impact one's chances for admission. Similarly, colleges will evaluate the rigor of courses taken. Additional consideration will be given to students who complete more challenging coursework.
- **Testing Results**—Students should plan to take the SAT Reasoning Test and/or ACT in the spring of the Junior Year and the fall of the Senior Year. Some colleges require the SAT Subject Tests and occasionally AP exam results.
- **Recommendations**—Colleges require a letter of recommendation from your school counselor and often, upon request, a letter from one or more teachers. Consider this fact as you work to develop positive relationships with your counselor and teachers.



- **Non-Academic Activities**—Colleges consider how you engage the community beyond the classroom. Involvement in school sports, clubs/activities, community service, and part-time employment reflect positively on you during the admissions process.



COURSE SELECTION PROCESS

Student schedules are developed in the spring and summer of each year. The process includes input from students, parents, teachers, counselors and administrators. Students are expected to honor their commitments and to attend and satisfactorily complete the courses in which they enroll during counseling conferences. Students have an opportunity during the last week of August to meet with their counselors regarding any schedule changes. Any change in the student's program will require the approval of the administration.

Requests for changes made after the building of the master schedule will be considered for educationally sound reasons according to the guidelines listed below. Students will be denied the request for change when assignment would exceed the maximum class size policy or when student enrollment drops below the Board of Education minimum. The Board of Education reserves the right to offer or not offer particular courses and/or programs depending upon enrollment and other conditions.

Scheduling Change Procedure: During the first week of school, only those schedule changes needed to complete a schedule will be addressed. The following schedule change policy is designed to resolve conflicts or correct errors with student schedules and to promote an orderly beginning of the school year:

- Schedule corrections will be made on a priority basis for students without schedules.
- Students whose schedules show major problems (no Physical Education, no English, etc.) will be addressed next.
- If there is a need to correct an error in the schedule, e.g. a missing course, two or more courses in conflict or failure in a pre-requisite course.
- If there is a recommendation from the Child Study Team.
- If there is a recommendation from an administrator for disciplinary, attendance or instructional reasons.
- If a student is repeating a course and is assigned to the same course and teacher.
- If there is a request made by the professional staff.
- Students who request schedule changes, other than those mentioned, may see their school counselor during the second full week of school to get advice. Students also have the opportunity to contact their school counselor the last week of August.
- In exceptional cases, an appeal may be made to the Principal.

Student-initiated schedule changes will not be considered for any of the following reasons:

- If the course content or standards differ from student expectations or the course is not needed for graduation.



- If the student does not like a given teacher or the student has a last minute preference for some other subject.
- If the student or parent wishes the student to be with friends.
- No changes for lunch or gym periods.

All schedule changes must be completed within 15 school days from the start of the school year. Deadline for any level course changes, e.g. Honors to a CP course, will be the last day of the first marking period. All second semester course selections or changes must be completed during the first 15 school days. All schedule changes will be at the discretion of the administration.

Level Changes - Parents may waive their son/daughter into courses even though the subject area teacher and/or counselor are not in agreement. Students waived into a course must remain in that course for the entire first marking period and maintain a grade average of B+. Note: If the desired lower level course is filled, the student must remain in the waived class for the entire year. Changes from one level of a course to another level of the same course must be completed within 15 school days from the start of the school year, provided a waiver has not been submitted and signed by the parent.

Course Drop/Add Policy - The selection of courses by students is one of the most important events in a student's high school career. It is not only important because it affects career goals but it also determines staffing and how financial resources are allocated. For these reasons, the dropping or adding of courses in a student's schedule will be considered only under extenuating circumstances. It is strongly recommended that students and parents thoroughly review required course offerings, elective course offerings, pre- and co-requisites before finalizing course selections.

Vocational Planning - The Carteret Board of Education will provide tuition and transportation for students in grades 9-12 who wish to attend the Middlesex Vocational Technical Schools. The Satellite Program offers an opportunity for students to obtain vocational schooling for a career on a full-day basis while still meeting academic requirements at Carteret High School. There is also a special program for students on a half-day basis.

While being an integral member of their own community high school, students are eligible for a local high school diploma and all extra-curricular activities. The Carteret Board of Education will provide tuition and bus transportation for students in grades 9-12 who wish to attend the Middlesex Vocational Technical Schools in either program.



DEFINITION OF COURSE LEVELS

Advanced Placement Courses - are currently offered in Science, English, Social Studies, World Languages, Art, Psychology, Mathematics and Computer Science, with the Advanced Placement Test given in May of each academic year. These courses follow criteria of the Advanced Placement Program. Additional AP courses are offered online and are paid for by the Carteret Board of Education. Students of very high academic ability are recommended by teachers and/or counselors, as well as through screening assessments. Students in the accelerated program typically make a natural progression to the Advanced Placement offerings. Students who successfully complete the program may be eligible for college credit or advanced placement at the college level. It is recommended that students take no more than two or three AP courses at the same time. Any waiver of any of the recommendations must be approved by the principal. It is required that students who enroll take the Advanced Placement Test.

Honors Students scheduled into accelerated courses are consistently high achievers. Courses are fast-paced and more academically challenging than regular course offerings. Students who wish to continue in the Honors Program must meet the following criteria: teacher recommendation, “B+” or better in previous Honors course and completion of the Honors summer assignment.

General Education - All core subject areas are college preparatory and standard high school courses.

Electives - Elective courses introduce students to the fundamental principles, concepts, vocabulary and methods essential for the acquisition of knowledge and skills basic to the field of study. These courses prepare students to communicate effectively using written and oral or signed communication skills.



General Information

Naviance Family Connection Course Planner - All students are expected to keep an electronic version of their yearly and 4-year course plan in Naviance. School counselors will work with students, and parents who attend the Course Planning Meeting, to review how to use the tool and update it annually.

Attendance - The Board of Education, in compliance with the State, has an attendance policy which requires regular attendance in order for a student to be awarded full credit for any course. Failure to attend class regularly may result in an automatic grade of F. Carteret High School's policy is described in detail in the Student Handbook. Excessive unexcused absence is defined as:

- 20 cumulative unexcused absences per full-year course
- 15 cumulative unexcused absences per trimester course
- 10 cumulative unexcused absences per semester course
- 5 cumulative unexcused absences per quarter course
- 4 tardies is equivalent to one absence



GRADING SYSTEM

Grade Numerical Equivalent (Achievement is indicated by letter grades)

The following grading scales and indicators shall be used:

A+ = 96-100

A = 90-95

B+ = 86-89

B = 80-85

C+ = 76-79

C = 70-75

D = 65-69

F = 0-64*

Grade Point Average

A Grade Point Average (or GPA) is a measure of academic achievement and is based on the final grades a student earns at the end of each school year. The GPA is cumulative, meaning it updates annually. The updated GPA is made available to students annually on Naviance Family Connection. It is highly recommended that each student set a GPA goal and monitor their progress toward reaching that goal. All students should strive to earn a 3.0 (B average) or higher.

How to Calculate the GPA in Three Steps:

1. Determine the “Quality Points” for each individual course by multiplying the GPA Points/Weight of the grade earned by the Number of Credits assigned to that course.
2. Add up all “Quality Points” earned and all “Credits Earned” (or “anticipated credits to be earned” if using Marking Periods grades to obtain an early GPA estimate).
3. Divide the “Total Quality Points” by the “Total Credits Earned”.

GPA Weight Table				
Grade	CP	Honors	AP	Numerical Value
A+	4.3	4.8	5.3	96-100
A	4.0	4.5	5.0	90-95
B+	3.3	3.8	4.3	86-89
B	3.0	3.5	4.0	80-85
C+	2.3	2.8	3.3	76-79
C	2.0	2.5	3.0	70-75
D	1.0	1.5	2.0	65-69
F	0	0	0	0-64



Honor Roll Recognition

Each marking period students will be recognized for their academic achievement. Students receiving all A's are placed on the Principal's List and those receiving all A's and B's are placed on the Honor Roll.

Class Rank

The students' weighted GPAs are calculated for the senior class. The class rank is released in late September of each school year.

EXTRA- & CO-CURRICULAR ACTIVITIES

Interscholastic Sports

Fall	Winter	Spring
Football	Basketball (Boys)	Baseball
Cheerleading	Basketball (Girls)	Softball
Tennis (Girls)	Bowling (Co-ed)	Track and Field (Boys)
Soccer (Boys)	Wrestling	Track and Field (Girls)
Soccer (Girls)	Competition Cheerleading	

Eligibility Requirements for Carteret High School Athletics:

First Semester - To be eligible for athletic competition, a student must have passed 30 credits during the immediate preceding school year, including summer school, to be eligible for the first semester (Fall and Winter). In addition, a student will be ineligible to participate if they have failed more than one subject at the end of the previous school year.

**Note: The first semester rule applies to incoming freshmen as they cannot fail more than one subject*

Second Semester - As of January 31

All students must be passing 15 credits and not have failed more than one subject from the 1st semester to be eligible for the second semester (Spring).

Co-Curricular Clubs & Activities *

Band/Chorus/Freshman Class/Sophomore Class/Junior Class/Senior Class/ Student Council/National Honor Society/National World Language Honor Society/ School Play & Musical/Varsity Vocals/Concert Choir/Women's Choir/SADD/French Club /History Club/Spanish Club/Italian Club/World Language Club/Carteret Football Club/Filipino Club/CHS Event Staff/Anne Scott News/Debate Club/DECA/Poetry Club/Yearbook/Anime Club/Gaming Club/Pathways/Ladies of Royalty/Prevention Players/Carteret Conquers Cancer/PALS/GSA/Breakfast Club

**** pending Board of Education approval and funding***



CARTERET HIGH SCHOOL ALMA MATER

In every heart there is a love Splendid and true,
wrought from above Sing, every son and
daughter sing! Loyal to you we'll ever be; To you
we raise this melody; Let every voice in glory
ring. All hail, all hail your glorious name, Dear
Carteret High, we love you! Courage to you, that
you may bring Courage to us in everything. Hail
to your glorious name!

By Milton Rabinowitz 1937 Arthur Stupar 1937

Traditions, Colors & Alma Mater "Ramblers" is the school nickname. The colors of Carteret High School are royal blue and white.



PHYSICAL EDUCATION / HEALTH

The Health and Physical Education program at Carteret High School fosters the development of healthy attitudes and behaviors as well as promotes a variety of physical activities designed to enhance fitness for all students. In accordance with the New Jersey Core Curriculum Content Standards for Comprehensive Health and Physical Education, the program will: encompass health services, create a healthy environment and incorporate diverse health and physical education programs throughout the school year. The department focuses on the concepts of wellness, cooperation and teamwork to promote lifelong health and wellness.

PHYSICAL EDUCATION: Grade 9 - 4 Credits

HEALTH/GENERAL HEALTH: Grade 9 - 1 Credit

The focus of this course is to increase attention to student growth and maturity through a series of physical activities designed to enhance self-esteem and to encourage participation in physical activity. A variety of assessments of physical fitness will take place through research, alternative assessments and pre- and post-test modulations. Students will develop accountability for measuring and evaluating their own fitness levels.

HEALTH: Students will engage in readings and hands-on activities which support the physical, social, emotional and intellectual dimensions of wellness. An understanding of what factors in life add to the general concept of wellness and can detract from it is explored.

PHYSICAL EDUCATION: Grade 10 - 4 Credits

DRIVER ED: Grade 10 - 1 Credit

The focus of this course is to allow students to display growth and maturity through a series of new and exciting opportunities to express one's self in physical activity. Assessment of physical fitness will take place in pre- and post- test modulations. Students will develop accountability for measuring and evaluating their own fitness levels.

HEALTH: Driver Education offers students the opportunity to discuss good driving attitudes, which are essential for safe driving. The theory portion of driver education consists of 30 hours of classroom instruction. Some of the topics discussed in class are: New Jersey permits, insurance issues, the New Jersey school bus law, the New Jersey point system, defensive driving, rules of the road, seatbelt use, alcohol, drugs and driving, attitudes and consideration of other drivers. There will also be a study of practical aspects of driving, such as parking and local traffic trouble spots. As a courtesy to our students, the New Jersey State Driving Test will be given upon completion of the driver's manual portion of the curriculum.



PHYSICAL EDUCATION: Grade 11 - 4 Credits

HEALTH: Grade 11 - 1 Credit

This course fosters student growth and maturity through a series of opportunities to express one's self in a variety of physical activities. Assessment of physical fitness will take place in pre- and post-test modulations. Students will develop accountability for measuring and evaluating their own fitness levels using a variety of technologies.

HEALTH: This course aims to increase students' knowledge about the physical, social, emotional and intellectual dimensions of wellness. Careers in health and physical wellness are integrated into the course. In addition, each public high school in New Jersey is required to ensure that information about the benefits of organ and tissue donation is included in the Core Curriculum Content Standards for Comprehensive Health and Physical Education for grades 9-12.

PHYSICAL EDUCATION: Grade 12 - 4 Credits

This course offers increasingly challenging opportunities to express one's self in physical activity. In this, the final year of high school, the focus is on providing individual activities to maintain lifelong positive health and fitness practices. Assessment of physical fitness will take place in pre- and post-test modulations. Students will develop accountability for measuring and evaluating their own fitness levels using a variety of technologies.

HEALTH/FAMILY LIFE: Grade 12 - 1 Credit

This course engages students in the study of human sexuality and the importance of relationships and responsibilities related to human sexuality. It is based on current trends in scientifically-based research and physical and mental health knowledge. Through class participation and research, students explore the way the human reproductive system works, sexual orientation, pregnancy and childbirth, methods of birth control, sexual hygiene and disease control, particularly the AIDS virus. Emphasis is upon classroom discussion, research and skill practice in critical thinking and problem solving. The course incorporates the use of technology and encourages students to research and use valid and reliable sources of health information.



ENGLISH

The English curriculum provides a foundation in each of the language arts. Courses in Grades 9, 10, 11, and 12 survey Contemporary/Classical, American, British and World Literature respectively. Elective courses are offered in the areas of journalism/publishing and theatre, art & film to meet the varied interests of students. Summer reading assignments prior to entering all grade level Honors and AP courses are mandatory.



ENGLISH 1: Grade 9 - 5 Credits

Prerequisite: Successful completion of Grade 8 English

The Language Arts curriculum for the ninth grade student is designed to enhance the English skills of composition, grammar, literature and vocabulary. The curriculum is designed to ensure that students read classical and modern literature and to be an introduction to various genres of literature with an emphasis on Contemporary/Classical Literature featuring works from outside the United States. The use of a variety of technologies in research activities is integrated throughout the curriculum. Students are required to complete a research paper.



HONORS ENGLISH 1: Grade 9 - 5 Credits

Prerequisite: Successful completion of 8th grade Honors English OR a sufficient score on the school administered essay entrance exam and teacher recommendation.

The Language Arts curriculum for the ninth grade honors course is designed to complete additional readings, literary analysis and writing. Admission to this course requires the completion of a summer assignment as determined by the English Department. The honors curriculum is designed to ensure that students read classical and modern literature and to be an introduction to various genres of literature with an emphasis on Contemporary/Classical Literature featuring works from outside the United States. The use of a variety of technologies in research activities is integrated throughout the curriculum. Students are required to complete a research paper. (High intensity)



ENGLISH 2: Grade 10 - 5 Credits

Prerequisite: Successful completion of Language Arts 1 or English I.

Students engage in a review of the fundamentals of writing effectively and refine their skills through practices of written compositions. This course of study serves as the foundation of American Literature, tracing the origins and growth of various pieces of literature and examining common themes, determining author's intent, theme and intended message. Students are required to complete a research paper. A continuous focus for this course is study skills.



HONORS ENGLISH 2: Grade 10 - 5 Credits

Prerequisite: Successful completion of Honors English 1 OR a sufficient score on the school administered essay entrance exam and teacher recommendation.

English II Honors expands upon the skills introduced in English I Honors and serves as the foundation of American literature. Students will engage in various modes of writing with emphasis on prose writing, including analytical essays and critical analyses. The students engage in outside research and read



supplementary novels and plays. Students must complete a research paper as a requirement of this course. A summer assignment, as determined by the English Department, must be completed prior to entering this course. (High intensity)



ENGLISH 3: Grade 11 - 5 Credits

Prerequisite: Successful completion of CP English 2

The English III course expands upon the skills introduced the preceding school year. Students will engage in various modes of writing with continued emphasis on exposition and style. This course will survey major works of British Literature, both fiction and non-fiction. In addition, the course reinforces NJSLA, SAT, and other standardized test-taking skills. Students must complete a research paper.



HONORS ENGLISH 3: Grade 11 - 5 Credits

Prerequisite: Successful completion of Honors English 2 OR a sufficient score on the school administered essay entrance exam and teacher recommendation.

The English III Honors course expands upon the skills introduced in Honors English II. Students will engage in various modes of writing with emphasis on prose writing, including analytical essays and critical analyses. The students engage in outside research and read supplementary novels and plays. Students must complete a research paper as a requirement of this course. A summer assignment, as determined by the English Department, must be completed prior to entering this course. (High intensity)



ENGLISH 4: Grade 12 - 5 Credits

Prerequisite: Successful completion of CP English 3

This English Course provides a survey of World Literature. It emphasizes skill development in the area of reading, writing, speaking, and listening, as well as, an appreciation of world cultures and their influences on society today. Students prepare a variety of oral and written assignments, including analysis of literature, using primary and secondary sources of information, as well as, computer generated sites. Course activities require study various pieces of literature and examining common themes, and research skills, analysis of college preparation vocabulary, determining author's intent, theme and intended message. Writing assignments will develop students' written expression and language skills through the writing process. Students must complete a research paper as a requirement of this course. The use of a variety of technologies in research.



HONORS ENGLISH 4: Grade 12- 5 Credits

Prerequisite: Successful completion of Honors English 3 OR a sufficient score on the school administered essay entrance exam and teacher recommendation.

The English IV Honors course expands upon the skills introduced in Honors English III. Students will engage in various modes of writing with emphasis on prose writing, with emphasis on analytical essays and critical analyses. The students engage in outside research and read supplementary novels and plays. Students must complete a research paper as a requirement of this course. A summer assignment, as determined by the English Department, must be completed prior to entering this course. (High intensity)



AP LITERATURE & COMPOSITION: Grade 12 - 5 Credits

Prerequisite: Placement based on standardized testing, school administered essay entrance exam, and previous year's teacher recommendation.

Advanced Placement (AP) English Literature and Composition is a college-level course that integrates analytical reading, thinking, and writing. Students in AP English Literature and Composition read, discuss, analyze, and evaluate fictional literature from various genres and historical periods. Throughout the course of study, students develop the close reading and writing skills that are necessary in college and in a competitive global market. This course implements the approach to literary study developed by the College Board's AP program. This approach involves students in "learning how to make careful observations of textual detail, establish connections among their observations, and draw from those connections a series of inferences leading to an interpretive conclusion about a piece of writing's meaning and value," (The College Board, English :Literature and Composition Course Description) Unlike other courses, which usually cover the history or development of a specific nation's literary tradition, AP English Literature and Composition is neither chronologically organized nor confined to texts from a particular geographic provenance; rather literary texts are selected to represent a variety of cultures. The literary texts selected in this curriculum reflect the richness of cultural diversity in our public schools. (High intensity)



AP ENGLISH LANGUAGE AND COMPOSITION: Grade 11 - 12 - 5 Credits

Prerequisite: Placement based on standardized testing, school administered essay entrance exam, and previous year's teacher recommendation.

The Advanced Placement (AP) English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages and drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. Summer work and AP exam required.

READING INTERVENTION: Grades 9 - 12 - 5 credits

Prerequisite: Placement based on testing.

The Language Arts curriculum is designed to enhance the English skills of composition, grammar, literature and vocabulary. READ 180 is a specialized reading course that is designed to target reading skills that students need to be good readers. This program, combined with teacher instruction will allow students the opportunity to make substantial gains in their reading ability by developing the necessary skills. The course offers instruction and practice in decoding words, spelling words, vocabulary development, comprehension, and fluency.

FRESHMAN SEMINAR: Grade 9 - 2.5 credits

Freshman Seminar prepares ninth grade students for their high school experience as well as preparing them for future endeavors. This will be accomplished by introducing students to Naviance to pinpoint personal and educational goals, learning styles, and interests. This will assist students with their high school experience and college/career choices in the future. Students will also be introduced to school policies, obligations, and organizations available to them to enhance their experience at CHS. Students will receive introductory lessons on note-taking, writing, and completing community service projects.



SENIOR ENGLISH 1,2,3,4: Grade 12 - 1.25 Credits (marking period)

Prerequisite: Placement based on testing.

This course is a writing intensive course designed to improve critical thinking, reading, and writing skills. Students are placed in this class based on their grade on the NJSLA assignments. In this class, students will create a portfolio required by the NJDOE to ensure graduation for each student.



ENGLISH LANGUAGE LEARNERS

ESL (1-2): Grades 11 - 12 - Credits based upon program

Prerequisite: Placement based on ACCESS

The English as a Second Language program provides non- English speaking students with the opportunity to develop the communication skills needed to develop proficiency in each area of language arts. Additionally, academic support is offered to students to assist in their acclimation to their mainstream subjects. A district approved standardized test is administered upon entry and yearly to monitor each student's individual progress. (High Intensity)

ESL (3-4): Grades 9 - 12 - Credits based upon program

Prerequisite: Placement based on ACCESS

The English as a Second Language program provides non- English speaking students with the opportunity to develop the communication skills needed to develop proficiency in each area of language arts. Additionally, academic support is offered to students to assist in their acclimation to their mainstream subjects. A district approved standardized test is administered upon entry and yearly to monitor each student's individual progress. (High Intensity)

ESL (1-2): Grades 9 - 10 - Credits based upon program

Prerequisite: Placement based on ACCESS

The English as a Second Language program provides non- English speaking students with the opportunity to develop the communication skills needed to develop proficiency in each area of language arts. Additionally, academic support is offered to students to assist in their acclimation to their mainstream subjects. A district approved standardized test is administered upon entry and yearly to monitor each student's individual progress.



ENGLISH ELECTIVES



MYTHOLOGY: Grades 9 - 12 - 2.5 credits

This course introduces classical, Norse, and medieval mythology through the study of themes and narratives that emphasize the importance of mythical elements to the modern world. Students will be able to describe some of the most significant literary readings of western mythology and how these texts reflect challenges faced by students in their application of mythological themes to other mediums.



JOURNALISM: Grades 10 - 12 - 5 credits

This course focuses on the skills and techniques required for publishing in a timely and professional fashion. Students will be required to interview, research, compose, revise, edit and layout articles using technology and a variety of other resources. It is recommended for students who are skilled in composition, computer technology and/or photography and who are able to work independently in a responsible fashion. Objectives include demonstrating knowledge and competent performance in journalism, photography, layout design, computer publishing software and marketing in the creation of publications such as school newspaper, literary magazine and/or the yearbook. Students are graded based upon their contributions and participation towards deadline submissions. (High Intensity)

SAT PREP: Grades 10 - 12 - 2.5 credits

SAT Prep is a course designed to help prepare students for the SAT test. In addition to reviewing the basic verbal and mathematical skills assessed on the SAT test, students have access to test-taking strategies specific to the exam, real student work samples with explanations, grading rubrics for peer and self-assessment, practice tests with complete multiple-choice assessments, essay prompts, and study resources. Instruction, followed by collaborative, guided, and independent practice, provides the foundation for the course. Students spend nine weeks working on the verbal and writing component of the SAT and nine weeks working on the mathematics component of the SAT. Upon successful completion, students will possess the tools necessary to complete the SAT to the best of their ability.

CREATIVE WRITING: Grades 10 - 12 - 2.5 Credits

Students in this course will experiment with two creative genres—poetry and fiction—as a means of developing different imaginative approaches to experience. The emphasis will be on generating a lot of raw material, getting familiar with some of the basic strategies for reading and talking about others' writing, and advancing a portion of your total work toward completion.

SENIOR SEMINAR: Grades 12 - 2.5 Credits

This course will focus on the completion of requirements inherent to the college application process. Among these will be the completion of the Common Application, the personal essay, preparing a resume/activity sheet, and developing an appropriate college list. Naviance will be integral to the course, as will other online resources that enable students to evaluate themselves as applicants and search for specific programs and scholarships. The class will incorporate writing and vocabulary which will assist in preparing for the SAT exam.



TOMORROW'S TEACHERS: Grades 11 -12 - 5 Credits

Prerequisite: Successful completion of core classes

Tomorrow's Teachers is an innovative course designed to attract talented young people who possess exemplary interpersonal and leadership skills to consider a career in teaching. The program seeks to provide high school students insight into the nature of teaching, the problems of schooling, and the critical issues affecting the quality of education in America's schools. Through the study of a variety of texts, discussion, and classroom observation, students will learn about the profession of teaching. Tomorrow's Teachers includes three themes for the school year: Experiencing Learning; Experiencing the Profession; Experiencing the Classroom. The course culminates with a six week field experience program, where the students travel to other schools in the district and work with teachers to gain hands on experience. In addition to the field experience, each student will also create a culminating teaching portfolio. This course is offered to students in their Junior or Senior year and is an Honors level course, with a possibility to extend to the collegiate level. Students who choose to can earn three transferable college credits through Kean University. The University fee of \$250, which includes three college credits (credits are listed as elective credits), all fees and the use of college facilities, is paid for by the student and is optional.



SOCIAL STUDIES

The State of New Jersey requires one year of World History and Cultures and two years of United States History. The Social Studies curriculum includes a variety of electives which are designed to provide students the opportunity to pursue further knowledge and skills which correspond to specialized Social Studies fields.



WORLD HISTORY: Grade 9 - 5 Credits

Prerequisite: Successful completion of Grade 8 Social Studies.

The World History course chronicles the significant events and issues of civilization from the Age of Global Encounters (1400-1750) to the Modern World Era (1945-present). This course links the past and the present through the exploration of key historical themes. Students employ prior learning to enhance in-depth discussion of past civilizations and their crucial role in the development of our own diverse society and culture. Writing, speaking and listening skills, and interpretation of written documents are integrated through class discussions and oral presentations.



WORLD HISTORY HONORS: Grade 9 - 5 Credits

Prerequisite: Successful completion of Grade 8 Social Studies, results of statewide testing, and teacher recommendation.

The World History Honors course is a rigorous course which explores the significant events and issues of civilization from the Age of Global Encounters (1400-1750) to the Modern World Era (1945-present). Students acquire the strategies necessary to gather, analyze and comprehend information and use critical-thinking, decision-making and problem-solving skills to formulate conclusive opinions. The study of geography and interdisciplinary connections relate history to the arts, economics and science enabling students to grasp the interrelationship between and among them. The use of a variety of technologies is integrated throughout the curriculum.

AP WORLD HISTORY: Grades 11 - 12 5 Credits

Prerequisite: Successful completion of U.S. History I is required to take the Advanced Placement World History AP exam when it is given in the spring.

This AP course designed to teach students to apply historical thinking skills including the ability to craft arguments from evidence; describe, analyze and evaluate events from a chronological perspective; compare and contextualize historical developments; and analyze evidence, reasoning and context to



construct and understand historical interpretations. The course is a survey of human history from the Paleolithic Age through Modern Times. The AP syllabus allows students multiple opportunities to evaluate numerous documents and resources from thousands of cultures, from every corner of the world. **Students who take this course are required to take the Advanced Placement World History exam when it is given in the spring.**



U.S. HISTORY I : Grade 10 - 5 Credits

Prerequisite: Successful completion of World History.

The U.S. History I curriculum chronicles the birth of the United States beginning with an analysis of the founding of the first settlements and colonies by European powers in North America. The course continues to examine the advancement of the United States through the 19th century as she develops and strengthens a national identity as well as a role in world affairs. The objectives and competencies include history, geography, economics, civics, science and the arts from a diverse perspective, enabling students to grasp the interrelationship between and among them.



U.S. HISTORY I HONORS: Grade 10 - 5 Credits

Prerequisite/Grade 10: No grade less than “85” in World History Honors OR no grade less than “90” in World History; recommendation of World History/World History Honors teacher.

The U.S. History I Honors course is a rigorous curriculum designed to challenge students and to help prepare them to pursue AP Social Studies courses. Honors students will be expected to complete research papers, document based assessments and analyze outside readings and primary source documents while following a similar curriculum to US History I.



U.S. HISTORY II: Grade 11 - 5 Credits

Prerequisite: Successful completion of U.S. History I.

Chronicles the development of United States history and culture from the Gilded Age to the present. The course builds upon prior learning from U.S. History I and examines the United States struggle to understand its new role in the ever-changing world both domestically and abroad.



U.S. HISTORY II HONORS: Grade 11 - 5 Credits

Prerequisite: No marking period grade less than "90" in CP U.S History 1 OR No marking period grade less than "85" in Honors U.S History I; recommendation of US History I/US History I Honors teachers.

U.S. History II Honors offers students the opportunity to study the significant events and developments from the Gilded Age through the present in greater depth. Students will be assigned supplemental readings in order to compare, contrast and evaluate the interpretations of various historians.

Assignments will be comprehensive. The ability to analyze and synthesize historical material is essential. A research paper is required; therefore, reference skills and critical-thinking are stressed.



AP US HISTORY: Grade 12 - 5 Credits

Prerequisite: B+ or better in all history classes and teacher recommendation.

This is an online course designed to teach students to apply and use critical-thinking, decision-making and historical problem-solving skills including the ability to craft arguments to formulate conclusive opinions. Students learn how to evaluate primary and secondary source materials, as well as how to weigh the evidence and interpretations presented in historical scholarship. Students will describe, analyze and evaluate geography and interdisciplinary connections; relate history to events from a chronological perspective. The use of a reasoning and context to construct and understand historical variety of technologies is integrated throughout the curriculum. **Students who take this course are required to take the Advanced Placement History exam when it is given in the spring.**

INTRO TO PSYCHOLOGY: Grades 9 - 12 - 2.5 Credits

The objective of the course is to provide students with in-depth knowledge of psychology through the study of its history, methods, the brain, human development, and sociocultural influences. The student will have the opportunity to enroll in the Intro course and continue with Psychology (part 2) the following semester.



PSYCHOLOGY: Grades 9 - 12 - 2.5 Credits

Prerequisite: B+ or better in INTRO TO PSYCHOLOGY and teacher recommendation.

The objective of the course is to provide students with in-depth knowledge of psychology through the study of cognitive processes, states of consciousness, personality and conflicts, psychological disorders, and therapy. This is the second part of the psychology elective offered at CHS.



SPORTS PSYCHOLOGY: Grades 10 - 12 - 2.5 Credits

This course will focus on the study of how psychology impacts athletic performance. Topics included in this course include competition and cooperation, health and well-being, motivation, stress/anxiety, and performance.

CHILD PSYCHOLOGY: Grades 10 - 12 - 2.5 Credits

This course will focus on the study of how children develop physically, socially, mentally, and emotionally. Topics will include heredity, theories of development (Freud, Erikson, Kohlberg, and Piaget), attachment, parenting styles, learning, and language.



AP PSYCHOLOGY: Grades 11 - 12 - 5 Credits

Prerequisite: B+ or better in all history classes and teacher recommendation.

This is a rigorous course that discusses in-depth information about personal and others' behavior. This series will prepare students to pass the AP Psychology Exam for college credit; it is recommended that students take both courses of the series before taking the exam. It is also recommended that students take an introductory psychology course before enrolling in this series. This is the first course in a two-part Advanced Placement Psychology series (AP PSY 059 and AP PSY 060). **Students who take this course are required to take the Advanced Placement Psychology exam when it is given in the spring.**



AFRICAN-AMERICAN HISTORY: Grades 9 - 12 - 2.5 Credits

Through the course lectures, required readings and discussions, students will acquire a fuller understanding about the historical development and social construction of Black America: what African Americans have thought about themselves and the larger society, how they have evolved as a community with a distinct culture from slavery to the twenty first century, and where they may be going as a people.

FINANCIAL LITERACY: Grades 9 - 12 - 2.5 Credits

This course is required for graduation and will emphasize finance, economics, business, and entrepreneurial literacy as it applies to everyday life situations. Personal decision-making regarding budgeting, career choices, investments, loans, and insurance will be covered.

COMICS + AMERICAN HISTORY: Grades 9 - 12 - 2.5 Credits

This semester long history elective covers the evolution of American superheroes and social history. The main goal of the course is to increase the reading and comprehension skills of all students who take the course. Over the last 150 years comic books have been a window to American culture. They reflect language, social issues of the day and problems Americans faced in each major era of American History. Social issues to be covered in the course include Nuclear Power Controversy, Civil Rights Movement, and



Women's Rights, Alcoholism, Drug Addiction, LGBT issues, Unemployment, The Cold War, Nazism, Counter Culture Movement of the 60s and Beatniks 50's.



HOLOCAUST/GENOCIDE WESTERN WORLD: Grades 9 - 12 - 2.5 Credits

This semester long elective is based on the New Jersey State Holocaust Commission Curriculum. The course is an intense survey of inter-war Germany, and the conditions that allowed the Nazis to come to power. The course covers the Nazi regime from its beginning, through the end of the war. The elective is broken down into 9 units, which allow the student to gain insight to the many facets of the Holocaust as a crime against humanity. Students will analyze documents, read survivor accounts, conduct internet based activities, and view various films and documentaries on the subject.



HOLOCAUST/GENOCIDE EASTERN WORLD: Grades 9 - 12 - 2.5 Credits

The first unit covers the Rape of Nanking and the war crimes committed by the Japanese armed forces during WWII. The second unit covers the Russian and Soviet Empires from 1500-1990. The course finishes with a review of modern genocides such as Rwanda 1994, the Balkans 1995, Cambodia 1970's, and Native American Displacement, amongst others. The goal of this course is to discover less talked about genocides, and evaluate America's roles and responsibilities in international politics, especially in a post 9/11 world.



LATIN AMERICAN CULTURE: Grades 9 - 12 - 2.5 Credits

Interdisciplinary introduction to contemporary Latin America, drawing on films, literature, popular press accounts, and scholarly research. Topics include economic development, ethnic and racial identity, religion, revolution, democracy, transitional justice, and the rule of law. Examples draw on a range of countries in the region, especially Mexico, Chile, and Brazil. Includes a heavy oral participation component, with regular breakout groups, formal class presentations on pressing social issues (such as criminal justice and land tenure), and a structured class debate.



POLITICAL PROPAGANDA I: Grades 9 - 12 - 2.5 Credits

Political Propaganda 1 is a Social Studies based film analysis class which examines the propaganda aspects of films dealing with social issues such as race, capital punishment, gender studies, governmental corruption, the changing structures of the American family, and similar themes. Films are varied with regard to date released, genre, ethnicity of directors, and format.



POLITICAL PROPAGANDA II: Grades 9 - 12 - 2.5 Credits

Political Propaganda 2 is a Social Studies based film analysis class which examines the propaganda aspects of films in the following categories; Political Propaganda of the right and left, the horror/science fiction film as social commentary, socio-political definitions of heroism over the history of the United States, and a series of films on students leaving high school and the problems/solutions/decisions they face in the workplace, college, and the military.



AP HUMAN GEOGRAPHY: Grades 9 - 12 - 5 Credits

The Advanced Placement Human Geography course is equivalent to an introductory college-level course in human geography. The course introduces students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. The curriculum reflects the goals of the National Geography Standards.



MATH



ALGEBRA I: 9 - 5 credits

Prerequisite: Math 8

The course begins with an introduction to variables and numerical operations and builds upon prior learning of math skills, examining different methods of solving a system of equations. Additional topics addressed in the course are: properties of sets of real numbers, graphing on a coordinate plane, slope, equations of lines, solving linear equations and inequalities, similarity, polynomials and their operations, probability, laws of exponents and algebraic problem solving. A scientific calculator is required.



ALGEBRA 1A: 9 - 5 credits

Prerequisite: Math 8 - *By Referral Only*

Not yet meeting or Partially Meeting Expectations on NJSLA 8

This course is year 1 of a 2 year Algebra program. This course coupled with Algebra 1B will cover all essential Algebra 1 concepts over a 2 year period allowing the time for intense individualized differentiation and personalization. Students enrolled in this 2 year sequence will take the NJSLA Algebra assessment during the year of Algebra 1B.



ALGEBRA 1B: 10 - 5 credits

Prerequisite: Algebra 1A

This course is year 2 of a 2 year Algebra program. This course coupled with Algebra 1A will cover all essential Algebra 1 concepts over a 2 year period allowing the time for intense individualized differentiation and personalization. Students enrolled in this 2 year sequence will take the NJSLA Algebra assessment during the year of Algebra 1B.



HONORS ALGEBRA I: 9 - 5 credits

Prerequisite: Math 8

Meets or Exceeds Expectations on NJSLA 8, On or Above Level on I-Ready Diagnostic

The course begins with an introduction to variables and numerical operations and builds upon prior learning of math skills, examining different methods of solving a system of equations. Additional topics addressed in the course are: properties of sets of real numbers, graphing on a coordinate plane, slope, equations of lines, solving linear equations and inequalities, similarity, polynomials and their operations, probability, laws of exponents and algebraic problem solving. A scientific calculator is required.



ALGEBRA I SPECIALIZED PROGRAM: Grades 9 - 10 - 5 Credits

Prerequisite: Successful completion of Grade 8 mathematics

The course begins with an introduction to variables and numerical operations and builds upon prior learning of math skills, examining different methods of solving a system of equations. Additional topics addressed in the course are: properties of sets of real numbers, graphing on a coordinate plane, slope, equations of lines, solving linear equations and inequalities, similarity, polynomials and their operations, probability, laws of exponents and algebraic problem solving. Curriculum is based on specific strengths and weaknesses of each student, utilizing individualized and personalized instruction.



ALGEBRA II: Grades 10 - 12 - 5 credits

Prerequisite: Algebra I and Geometry

Algebra II is designed for college-preparatory students who have successfully completed Geometry. It incorporates the concepts previously learned in Algebra I with several new concepts including functions, domain, range, variation and systems of equations, matrices, inverses, logarithms, quadratic equations and polynomials.



ALGEBRA II HONORS: Grades 10 - 12 - 5 credits

Prerequisite: Algebra I and Geometry

Meets or Exceeds Expectations on NJSLA Algebra and NJSLA Geometry, Meets or Exceeds Expectations on LinkIt B/C

Algebra II Honors is the second course in the honors level mathematics program. It is designed to meet the needs of the students who have accelerated in mathematics through an in- depth instructional approach. Topics covered in the course include, but are not limited to, functions, solving and graphing linear, polynomial, quadratic and variation equations, lines, slope, matrices, real and imaginary number systems, mathematical modeling, exponents, logarithms and trigonometry. A TI-83+ or better graphing calculator is required.

ALGEBRA II SPECIALIZED PROGRAM: Grades 10 - 12 - 5 Credits

This course is designed for college-preparatory students who have successfully completed Geometry. It incorporates the concepts previously learned in Algebra I with several new concepts including functions, domain, range, variation and systems of equations, matrices, inverses, logarithms, quadratic equations and polynomials. Curriculum is based on specific strengths and weaknesses of each student, utilizing individualized and personalized instruction.



GEOMETRY: Grades 9 - 11 - 5 credits

Prerequisite: Algebra I

Students are introduced to a variety of precisely-stated vocabulary including basic definitions, theorems and postulates and incorporate such vocabulary into problem-solving. Other units include types of geometries, conditional statements, congruence, similarity, parallelism, perpendicularity, graphing,



angles, quadrilaterals, triangles, polygons, circles and three-dimensional solids and surfaces. A scientific calculator is required.



GEOMETRY HONORS: Grades 9 - 11 - 5 credits

Prerequisite: Algebra I

Meets or Exceeds Expectations on NJSLA Algebra, Meets or Exceeds Expectations on LinkIt B/C

Geometry Honors is a rigorous program designed to meet the needs of highly self-motivated students who accelerate in mathematics. It is expected that students have the goal of taking Calculus as eleventh or twelfth graders. The honors geometry course introduces students to a more in-depth look at planes, three-dimensional objects and similarity. Emphasis in this course is on, writing, critical-thinking, problem-solving and participation in cooperative activities. A scientific calculator is required.

GEOMETRY SPECIALIZED PROGRAM: Grades 10 - 11 - 5 Credits

Prerequisite: Successful completion of Algebra I Specialized Program

Students are introduced to a variety of precisely-stated vocabulary including basic definitions, theorems and postulates and incorporate such vocabulary into problem-solving. Other units include types of geometries, conditional statements, congruence, similarity, parallelism, perpendicularity, graphing, angles, quadrilaterals, triangles, polygons, circles and three-dimensional solids and surfaces. Curriculum is based on specific strengths and weaknesses of each student, utilizing individualized and personalized instruction.

PRE-CALCULUS HONORS: Grades 11 - 12 - 5 credits

Prerequisite: Algebra II

Meets or Exceeds Expectations on NJSLA Algebra II, Meets or Exceeds Expectations on LinkIt B/C

Pre-Calculus focuses on a variety of upper level mathematical concepts including types of functions, domain and range of functions, graphs of functions, behavior of functions, transformations, trigonometry and conic sections. Students are expected to utilize analytical skills to inquire and form conclusions in both an independent and collaborative work setting. Students will be required to complete a summer assignment prior to entering the class. A TI-83+ or better graphing calculator is required.



TRIGONOMETRY: Grades 10 - 12 - 2.5 credits

Trigonometry is a field of mathematics in which the geometric properties of the angles and edges of triangles are used to measure lengths. Real-world problems involving trigonometry are common in engineering, physics, construction and design. This course is well suited for students who need sufficient mastery of trigonometry for use in fieldwork as well as those continuing on to engineering, kinesiology, surveying and physical sciences. Intermediate algebra skills are assumed.



CALCULUS HONORS: Grades 11 - 12 - 5 credits

Prerequisite: Pre-Calculus Honors or Algebra 2/Trigonometry

This introduction to the study of Calculus emphasizes the concepts of limits, derivatives as slopes and antiderivatives. Students will learn such topics as advanced graphing with limits, differentiation, exponential and logarithmic functions, integration, and volume. Particular attention will be paid to real-world problems.

SENIOR MATH 1,2,3,4: Grade 12 - 1.5 credits (marking period)

This course is designed for students who have been identified through diagnostic testing as having difficulty on the NJSLA exam. This is a semester length course that is offered during the junior and senior year and is devoted entirely to preparation for the New Jersey portfolio graduation appeal process.

ADVANCED ALGEBRA WITH FINANCIAL APPLICATIONS: Grades 11 - 12 - 5 credits

Prerequisite: Algebra 1 and Geometry

Financial Algebra is a college preparatory course that will use sophisticated mathematics to give you the tools to become a financially responsible young adult. The course employs algebra, precalculus, probability and statistics, calculus and geometry to solve financial problems that occur in everyday life. Real-world problems in investing, credit, banking, auto insurance, mortgages, employment, income taxes, budgeting and planning for retirement are solved by applying the relevant mathematics. Field projects, spreadsheets, and graphing calculators are key components for this course.



AP CALCULUS AB: Grades 11 - 12 - 5 credits

Prerequisite: Pre-Calculus Honors or Algebra 2 Honors/Trigonometry

B or better Final Average or Teacher Recommendation

This course is structured around three big ideas: limits, derivatives, and integrals and the Fundamental Theorem of Calculus. The concept of limits is foundational, the understanding of this fundamental tool leads to the development of more advanced tools and concepts that prepare students to grasp the Fundamental Theorem of Calculus, a central idea of AP Calculus.



AP CALCULUS BC: Grade 12 - 5 credits

Prerequisite: Honors Calculus or AP Calculus AB

B or better Final Average or Teacher Recommendation

This course expands on the three big ideas of AP Calculus AB (limits, derivatives, and integrals) and the Fundamental Theorem of Calculus in additional contexts. The BC curriculum adds the the big ideas of sequences and series. Other topics include integration techniques, differential equations, parametric equations, polar equations, and vector functions.



AP STATISTICS: Grades 11-12 - 5 credits

Prerequisite: Precalculus or Algebra 2/Trigonometry

The curriculum for AP Statistics is based on the recommendations laid out by The College Board and developed by the participating colleges and universities. The work completed is the equivalent of a full semester of college Statistics and is intended to be challenging and demanding. Broad concepts and widely applicable methods are emphasized. Students who take this course are required to take the Advanced Placement Statistics AP exam when it is given in the spring. A TI-83+ or better graphing calculator is required.

PROBABILITY & STATISTICS: Grade 12 - 5 credits

This course explores the use of probability and the collection and analysis of data, inferences and conclusions. Statistical analysis is useful in every single academic discipline and virtually every job you'll ever have. An understanding of basic statistics helps you make decisions about where to live, how to use your time and money and how to evaluate the information around you.



COMPUTER SCIENCE



INTRO TO COMPUTER SCIENCE: Grades 10 - 12 - 5 credits

In this course, students will learn the basics of computer programming along with the basics of computer science. The material emphasizes computational thinking and helps develop the ability to solve complex problems. This course covers the basic building blocks of programming along with other central elements of computer science. It gives a foundation in the tools used in computer science and prepares students for further study in computer science, acting as a prerequisite for both AP Computer Science Principles and AP Computer Science A.



INTRO TO ROBOTICS: Grades 9 - 12 - 2.5 credits

This course offers opportunities to explore the structures of programming such as while loops and if - then statements and at the same time students will be learning collaboration skills. Students will be working in groups of three and collaboration will be a key component to team success. Students will build and program robots to meet different types of challenges every few weeks. This course serves as a prerequisite for AP Computer Science Principles.



AP COMPUTER SCIENCE PRINCIPLES: Grades 10 - 12 - 5 credits

Prerequisite: Intro to Robotics or Intro to Computer Science

AP Computer Science Principles offers a multidisciplinary approach to teaching the underlying principles of computation. The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity concerns, and computing impacts. AP Computer Science Principles also gives students the opportunity to use current technologies to create computational artifacts for both self-expression and problem solving. Together, these aspects of the course make up a rigorous and rich curriculum that aims to broaden participation in computer science.



AP COMPUTER SCIENCE A: Grades 10 - 12 - 5 credits

Prerequisite: Intro to Computer Science or AP Computer Science Principles

AP Computer Science A is equivalent to a first-semester, college-level course in computer science. The course introduces students to computer science with fundamental topics that include problem solving, design strategies and methodologies, organization of data (data structures), approaches to processing data (algorithms), analysis of potential solutions, and the ethical and social implications of computing. The course emphasizes both object-oriented and imperative problem solving and design using Java language. These techniques represent proven approaches for developing solutions that can scale up from small, simple problems to large, complex problems. The AP Computer Science A course curriculum is compatible with many CS1 courses in colleges and universities.



SCIENCE



BIOLOGY: Grade 9 - 5 Credits

This course is focused on the use of life science principles as powerful conceptual tools to make sense of the complexity, diversity and interconnectedness of life on earth. Students engage in laboratory and authentic learning experiences that encourage the application of biological knowledge to make decisions and solve problems.



HONORS BIOLOGY: Grade 9 - 5 Credits

Prerequisite: No grade less than “A” in Grade 8 Science

This course is focused on the use of life science principles as powerful conceptual tools to make sense of the complexity, diversity and interconnectedness of life on earth. Students engage in laboratory and authentic learning experiences that encourage the application of biological knowledge to make decisions and solve problems. Students will be expected to approach scientific investigations on a rigorous level and produce in-depth laboratory reports, as well as long-term projects in each of the four major areas.



AP BIOLOGY: Grades 11 - 12 - 5 Credits

Prerequisite: No grade less than “B” in Honors Environmental Science, Honors Biology and Honors Chemistry OR no grade less than “A” in Environmental Science, Biology and Chemistry.

Advanced Placement Biology is a college-level course offered as part of the high school curriculum for those students with strong interests in Biology and/or Science. A wide range of topics will be studied with considerable independent work in addition to the organized class work. Students are expected to have competency in Biology, Chemistry and Mathematics. Emphasis will also be placed on laboratory experiences. Students enrolling in this course are required to take the Advanced Placement Test in the Spring.



CHEMISTRY: Grade 10 - 11 - 5 Credits

Prerequisite: Successful completion of Biology.

This is a college preparatory course designed to acquaint students with the fundamentals of chemistry. The structure of the atom, the dynamics of chemical reactions, energy, the phases of matter, ionic, covalent and organic functional groups are discussed. Quantitative relationships are emphasized. Laboratory experience is an integral part of the course.



HONORS CHEMISTRY: Grade 10 - 11 - 5 Credits

Prerequisite: No grade less than “B” in Honors Biology OR no grade less than “A” in Biology

This course is a college preparatory course that is designed for students with strong Mathematics and Science backgrounds. All topics covered in the College Prep Chemistry course are covered in more depth and with greater rigor. Additional topics not covered in Chemistry are presented as well. Students will be expected to approach scientific investigations on a rigorous level and produce in-depth laboratory reports.

PHYSICAL SCIENCE: Grade 10 - 11 - 5 Credits

Prerequisite: Biology

This course is designed as an interactive, 21st century course focusing on basic physics and chemistry. Topics include forces and motion, energy through waves, electricity and magnetism, the matter around us, chemical bonding and reactions. This course is designed to serve as a foundation for the study of the physical sciences. The utilization of scientific inquiry, web 2.0 tools, interactive experiences, higher order thinking, collaborative projects, real world application through labs and a variety of assessments all aid the student in ultimately demonstrating a vast understanding of the importance of the physical and chemical properties of the world around them; enabling them to apply these properties to their everyday lives.



HONORS PHYSICS: Grades 11 - 12 - 5 Credits

Prerequisite: No grade less than “B” in Honors Biology and Honors Chemistry OR no grade less than “A” in Biology and Chemistry

The curriculum focuses on physical science emphasizing student understanding of the world and the universe. Topics are covered with humanistic aspects of science showing interdependence. Modern physics examines the study areas of mechanics, electricity and magnetism, light, atomic and nuclear physics and electronics. A solid foundation of math and graphing skills is necessary for the student to grasp the scientific laws and problems involved in this course.



AP PHYSICS 1: Grades 11 - 12 - 5 Credits

Prerequisite: No grade less than “A” in Honors Biology and Honors Chemistry, or no grade less than “B” in AP Biology and “A” in Honors Chemistry

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound.



ENVIRONMENTAL SCIENCE: Grades 10 - 12 - 5 credits

Prerequisite: Successful completion of Grade 8 Science.

This Environmental Science course is designed to immerse students in the physical, biological, and earth systems sciences that shape our environment. Scientific concepts, principles and modern science practices allow students to analyze environmental issues, both natural and human induced, and engage in evidence-based decision making in real world contexts.



ENVIRONMENTAL SCIENCE HONORS: Grades 10 - 12 - 5 Credits

Prerequisite: Advanced placement on NJ-ASK science test.

This Environmental Science course is designed to immerse students in the physical, biological, and earth systems sciences that shape our environment. Scientific concepts, principles and modern science practices allow students to analyze environmental issues, both natural and human induced, and engage in evidence-based decision making in real world contexts. Students will be expected to approach scientific investigations on a rigorous level and produce in-depth laboratory reports, as well as long-term projects in each of the four major areas.

AP ENVIRONMENTAL SCIENCE: Grades 11 - 12 - 5 Credits

Prerequisite: No grade less than "A" in Biology/"B" in Biology Honors and no grade less than "A" in Chemistry or Physics/"B" in Chemistry Honors or "B" in Physics Honors

This 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.



SCIENCE ELECTIVES



ANATOMY & PHYSIOLOGY: Grades 11 - 12 - 5 Credits

This elective is designed for the student who wishes to pursue a basic understanding of the human body. This course will be divided into four areas: organization of the human body, chemistry of life, body tissues and membranes, and systems of the human body. Students will be given the opportunity to explore anatomy and physiology through diagrams, microscopes, interactive anatomy software, textbooks and videos.



FORENSICS: Grades 10 - 12 - 2.5 Credits

Forensic Science is an introductory course in which students will have the opportunity to explore how scientific principles are used in analyzing physical evidence found at a crime scene and to be introduced to the wide array of career choices in forensics. The fundamental objective is to teach the basic processes and principles of scientific thinking so as to apply them to solving problems that are related not only to science but to all disciplines. The focus will be to introduce students to some of the specialized fields of forensic science, the principles of science and technology upon which they are based, and the application of these principles to various analyses of crime scene evidence. This course will make science real for the CSI generation.



ZOOLOGY: Grades 9 - 12 - 2.5 Credits

This course is a semester long, laboratory science-elective designed to provide a well-rounded and challenging academic experience for students. Students in this course will survey the nine major phyla of the Kingdom Animalia. Morphology, taxonomy, anatomy, and physiology will be investigated. Comparative studies may be addressed during laboratory observations and dissections.



MARINE BIOLOGY: Grades 9 - 12 - 2.5 Credits

This course is a semester long, laboratory science-elective designed to provide a well-rounded and challenging academic experience for students. Students in this course will study polar, temperate, and tropical marine organisms and their environmental and ecological relationships. They will also examine the structure and function of marine flora and fauna using preserved and live specimens. The course includes hands-on laboratory activities and comparative anatomy.

MEDICAL TERMINOLOGY: Grades 10 - 12 - 2.5 Credits

Medical terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word building skills by learning prefixes, suffixes, roots, and abbreviations. Utilizing a body systems approach, the student will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Common abbreviations applicable to each system will be interpreted. Knowledge of medical terminology enhances a student's ability to successfully secure employment of pursue advanced education in health science.



WORLD LANGUAGES

The World Language Department offers students a variety of courses ranging from beginning and courses to Level 4 level course. AP French and Italian are offered through virtual High School. The Carteret Board of Education requires all students to successfully complete 5 credits in the World Languages for graduation. Students who plan to attend competitive colleges or universities are encouraged to take a minimum of two to three years of the same language.



FRENCH I / SPANISH I /ITALIAN I/PUNJABI I: Grades 9 - 12 - 5 Credits

The objective of the first-year course is to develop the ability to understand, speak, read and write the language in its fundamental forms. The hearing/speaking approach is used to encourage the students to think in and speak the language from the beginning. The course includes vocabulary, everyday expressions, and basic grammatical structures. The students read stories and dialogues that introduce the customs and traditions of the people whose language they are studying. Class activities include memory work, presentation of short conversations, dictation in the language, tests of oral and reading comprehension, and writing short paragraphs in the language and oral drills. Audio-visual, videos, and computers are used.



FRENCH II / SPANISH II /ITALIAN II/PUNJABI II: Grades 9 - 12 - 5 Credits

***Prerequisite: Successful completion of level one of world language course.**

The objective of the course is to develop fluency and accuracy in pronunciation, speaking, reading and writing. The course includes a review of the basic first-year structures and continues the study of the fundamentals of vocabulary and grammar. Reading assignments are longer and a more extensive study of geography, customs and culture is undertaken. Further use is made of audio-visual aids, original conversations, and memory work and guided compositions.



FRENCH III / SPANISH III /ITALIAN III/PUNJABI III: Grades 10 - 12 - 5 Credits

***Prerequisite: Successful completion of French II, Spanish II, Italian II, or Punjabi II**

The students will demonstrate the ability to maintain and increase their understanding of the spoken word. The students will continue to comprehend and use the parts of speech, sentence structure and vocabulary. The students will further their ability to speak and write on matters related to reading materials, everyday personal experiences and individual creativity. In the classroom there will be heavy emphasis placed on conversation between students as well as between students and the teacher.



FRENCH IV / SPANISH IV /ITALIAN IV: Grades 11 - 12 - 5 Credits

***Prerequisite: Successful completion of French III, Spanish III, or Italian III**

The students will demonstrate the ability to comprehend and use, orally and in writing, the parts of speech, sentence structure and vocabulary. The student will be able to respond to factual questions and to interpret thoughts and ideas, orally and in writing, using complete sentences and correct syntax. The classroom activities will involve the students in amplifying communication skills (listening, speaking, reading and writing) in the target language.



AP SPANISH: Grade 12th - 5 Credits

Prerequisite: Successful completion with an “A” of Spanish 4

This course emphasizes communication, incorporating interdisciplinary topics, service learning and cultural/historical issues. The class is taught almost exclusively in the language.

AP FRENCH ONLINE: Grade 12 - 5 Credits

Prerequisite: No grade less than an “A” in French

This advanced course prepares students to take the Advanced Placement test in French. Students are required to take the AP test if they are enrolled in this course. The emphasis of the course will be in the area of the ongoing development of speaking and listening skills in conjunction with further improvement of the students’ ability to read and write the world language with greater facility and accuracy. Students enrolling in this course are required to take the Advanced Placement Test in the Spring



HERITAGE SPEAKERS OF SPANISH I: Grades 9 - 12 - 5 Credits

Prerequisite: Stamp test Results and Teacher and Supervisor Referral This course is designed specifically for heritage speakers of Spanish with oral proficiency in the language.

These learners were raised in homes where Spanish was spoken. The course is designed to build on the language base students already possess. Spanish-speaking students are not viewed as using a “improper” form of Spanish that is incorrect or needs to be eliminated. Rather, their language is viewed as an extremely valid means of oral communication. The primary purpose of the course is to develop reading and writing skills, although all four language skills (listening, speaking, reading, and writing) are emphasized via cultural activities. Students read literature in the target language.



HERITAGE SPEAKERS OF SPANISH II: Grades 9 - 12 - 5 Credits

Prerequisite: Heritage Speakers I

This course builds upon Heritage Speakers of Spanish 1 and is designed specifically for native or heritage speakers of Spanish with oral proficiency but little or no formal training in the language. The course is designed to build on the language base students already possess. Spanish-speaking students are not viewed as using an “improper” form of Spanish that is incorrect or needs to be eliminated. Rather, their language is viewed as an extremely valid means of oral communication. The primary purpose of the course is to develop reading and writing skills, although all four language skills (listening, speaking, reading, and writing) are emphasized via cultural and community activities. Students will read literature from the target language countries, watch movies and programs from target language countries.



VISUAL AND PERFORMING ARTS

The Visual and Performing Arts Department at Carteret High School is an award-winning department that offers a variety of courses for students with all levels of ability. Students who want to pursue a career in the Arts will be college ready by the successful completion of your chosen discipline. In addition, students who want to explore the Arts for personal enrichment are beyond encouraged to participate.

INTRODUCTION TO ACTING: Grades 9 - 12 – 2.5 credits

Introduction to Acting is designed for students who are interested in learning the basic elements needed to act! Through individual and group exercises, improvisations, and scene work, this class helps students develop their acting potential and sharpen their skills in interpreting scripts and creating character. Students will learn the inner workings of script analysis and the process professional actors go through in order to prepare for an upcoming role. Through the use of different acting methods, students will refine their character development and create realistic relationships and emotions for performance. Through the use of scene study, students will work towards a final performance.

THEATER PRODUCTION: Grades 9 - 12- 2.5 Credits

Theater production is designed to prepare students for future careers behind the scenes in the theater world! The course will be designed to teach production aesthetics for a theatrical performance. The beginning technicians will learn to interpret and execute a theatrical designers plans in areas such as costume design, lighting design, makeup design, scenic design, sound design, and properties mastery. The course will teach basic script analysis in order to assist students in figuring out the inner workings and design elements of a theatrical performance.

ACTING I: Grades 9 - 12 - 2.5 Credits

This is a full year, audition-based course for students who have a strong desire to develop their acting skills. This course is designed for students to achieve their full acting potential through the study of techniques such as Method Acting, Stanislavski System, Meisner Technique, Realism, and acting through games. The course will focus on working towards a performance-ready production, which will allow students to discover the “who, why, where, when, and how” of each character. The course will stress the students' ability to use their bodies, minds, and experiences in a believable, honest way. Finally, this course will help prepare students for college readiness and auditions through the use of monologue preparation, cold reading work, audition workshops, and resume building.

BAND: Grades 9 - 12 - 5 Credits

Prerequisite: Student must successfully have completed a middle school band course or be taking private instructions, However, a student who has never played an instrument but has a strong desire to begin instrumental music instruction may enroll in the band program. Provisions are made for beginners.

The course is open to all students who desire to learn a band instrument. Band gives the less proficient student an opportunity to perform with the knowledge that he/she is aided and supported by stronger players. The band members may perform at concerts, festivals, competitions, High School football games, and other school and community functions throughout the school year in a variety of ensemble format, the primary ensemble being the Concert Band.



HONORS WIND ENSEMBLE: Grades 9 - 12 - 5 Credits

Prerequisite: For advanced players only. By recommendation only, based on ability and the need of the ensemble (i.e. instrument).

This course is designed to expand the understanding and awareness of an extremely wide range of musical styles, ranging from Classical, Opera, Jazz, Early Rock, Swing and Big Band, to popular styles of today's music. The focus will be placed mainly on examining the cultural importance in history of each genre, with relevant examples of each genre studied to maximize effect.

MUSIC APPRECIATION: Grades 9 - 12 - 2.5 Credits

Listen to music everyday and want to explore the meaning and appreciation for music? This course is a semester long course aimed to act as an introduction to music. In addition to establishing a lifelong appreciation for music, students will establish a deep understanding for the genres of music and music-making process through a series of assignments, assessments and projects. This course encourages students to intelligently explore music as a form of art and as a form of entertainment.

MUSIC THEORY: Grades 9 - 12 - 2.5 Credits

Prerequisite: Previous successful completion of Carteret High School vocal or instrumental music course.

This course is designed to develop skills in; reading music, listening to sounds and being able to identify and describe, discussing and analyzing music, so that beginning students will have a background to use in furthering his/her study of music. The student follows a progressive study of the writing and composing music. Musical understandings are basic knowledge of how music works as a language and how to use this language to communicate with others.

CHOIR: Grades 9 - 12 - 2.5 Credits

Choir is a one semester course for the motivated student. Students who want to enroll in this course should have the desire to want to expand their vocal and musical knowledge. The ensemble performs at a high level of proficiency. Instruction is based on performance literature with an emphasis on public performances both in and out of school. In choir, concepts are taught through the areas of singing, listening, individual and group activities with a special emphasis given to intonation, style, musical symbols and structure.

HONORS CHAMBER CHOIR: Grades 9 - 12 - 5 Credits

Prerequisite: Placement in this group is contingent on a successful audition that takes place in the Spring.

Chamber Choir is a performance-based full year elective course designed to develop students' personal maturity, vocal ability and musical aptitude at a collegiate level. Curriculum will be centered on carefully selected literature, composed for four or more part choir. While this course is open to all CHS students by audition only, those unwilling or unable to commit to the required performances each semester should not be enrolled. Attendance at all rehearsals and performances is mandatory.

CHORALE: Grades 9 - 12 - 5 Credits

Prerequisite: Placement in this group is contingent on a successful audition that takes place in the spring or by teacher recommendation.



Concert choir Chorale Chorale is a full year arts' Vocal Music elective for students who enjoy singing and desire to study a wide variety of styles have a desire to enhance their musicality and musicianship. Repertoire includes. a variety of music from different regions of the world, singing in different languages concert masterworks, as well as Broadway, Jazz, Folk and multi-ethnic works. The choir performs two concerts annually in December and May. Students enrolled in this course may also participate in competitions, festivals, and art-related field trips to concerts to further enhance their musical knowledge and performance experience. and operas

INTRO. TO PIANO/KEYBOARDING: Grades 9 - 12 - 2.5 Credits

Prerequisite: Successful completion of a vocal or instrumental music course at Carteret High School.

This course is designed for students who wish to develop basic piano playing skills or expand on their existing skills. Time in class will be spent both on and off of the keyboards. While playing, students will be working individually and in groups to master the techniques of playing and to learn the required pieces of music. Time will be spent on identifying musical and

DESIGN A: Grades 9 - 12 - 2.5 Credits

This course is a basic introduction to art design and focuses on students interested in more hands on projects. Students get exposure to such things as medieval illuminated lettering; printmaking, 3-D name design with color theory, ancient Greek and Roman mosaics, Botswana coiling basket, Huichol yarn painting and monochromatic painting. Students will gain experience with working on a wide variety of media: such as various papers, tempera, crayons, pastels (oil and dry), tape, cutting, tearing, block printing, inks, newspaper, cardboard, chipboard, paper-mache, paint wire, and many more.

DESIGN B: Grades 9 - 12 - 2.5 Credits

Prerequisite: Successful completion of Design A and B This is an intermediate course.

At level students have a deeper understanding and involvement with some of the basic art forms. This includes the ability to work with most of the materials at an advanced level and on their own. Previous art experience is a definite advantage. Projects in this area include a scale down model of a chair, a three dimensional puppet form, a house out of wood, a clayofrom representational theme project, wood burning, dye and wax melting, felt projects, latch hook rug, book binding, soapstone carving and more.

ART APPRECIATION: Grades 9 - 12 - 2.5 Credits

Art Appreciation is a basic foundation course and your first step in visual arts education! In this class students learn to analyze and interpret art elements while creating works of art. This course looks at both historical and contemporary art and artists. Students will gain an appreciation for visual art and the role it plays, especially as it influences modern consumer attitudes and choices.

DRAWING: Grades 9 - 12 - 2.5 Credits

Prerequisite: Completion of Art Appreciation

Think you can't draw? Wish you could create art that has a place in a frame on your wall? This is the class for you! Drawing 1 is a foundation course designed to introduce the student to the basic techniques used in drawing and art production. Students analyze and interpret their work using the elements and principles of design. They create original works using a variety of media and experiment with various types of grounds. Students plan and execute complex works such as still life, portraiture, and perspective.



DRAWING 2: Grades 10 - 12 - 5 Credits

Prerequisite: Completion of Art Appreciation and Drawing.

Can't get enough of drawing? Want to hone in on your skills? Considering a future in Graphic Design, Game Design, or any career that requires attention to detail? Drawing 2 provides for further development of the concepts taught in Drawing 1 with more intense study of composition and elements/principles of design as applied to two dimensional forms. Students learn how to communicate visually through their work and use a variety of media including acrylic paint and collage.

HONORS ART: Grades 11 - 12 - 5 Credits

Prerequisite: teacher recommendation/Portfolio review

Looking to study art in college? Need to build a strong portfolio to impress college admissions? This is the course for you! Honors Art builds on drawing/painting skills by exploring a variety of processes, techniques, compositional, and aesthetic concepts. Through practice, application of drawing concepts, and informed decision making students will build a personal body of work that demonstrates a high level of quality and growth over time in content, technique, and process.

AP ART: Grade 12 - 5 Credits

Prerequisite: Completion of Art Appreciation, Drawing, Drawing II, Honors and/or teacher recommendation.

This course builds on drawing/painting skills and advance visual communication skills by exploring a variety of processes, techniques, compositional, and aesthetic concepts. Through practice, application of drawing concepts, and informed decision making students will build a personal body of work that demonstrates a high level of quality and growth over time in content, technique, and process.

INTRODUCTION TO FASHION: Grades 10 - 12 - 5 Credits

Ever think of a future in Fashion? Not sure where you would fit in? There are so many careers within the fashion industry! This course provides a foundation for anyone interested in Fashion. The course focuses on the art and design techniques used in all areas of fashion. Students will move from concepts through production and will include a variety of fibers and application techniques used in the industry.



PRACTICAL ARTS, BUSINESS and TECHNOLOGY ELECTIVES

AVID: Grade 9 - 5 credits

Advanced Placement Via Individual Determination. AVID is a course designed to prepare ninth grade students to become global thinkers, problem solvers, and to work collaboratively. It provides students with the skills needed to be college ready upon graduation.

AVID II : Grade 10 - 5 credits

Advanced Placement Via Individual Determination. AVID is a course designed to prepare tenth grade students to become global thinkers, problem solvers, to work collaboratively, and to develop their college and career readiness skills. It provides students with the skills needed to be college ready upon graduation.

AVID ESL : Grade 9 - 12 - 5 credits

Advanced Placement Via Individual Determination. AVID is a course designed to prepare ESL students to become global thinkers, problem solvers, to work collaboratively, and to enhance the skills needed to be successful in core classes. It provides students with the skills needed to be college ready upon graduation.



SUPPLY CHAIN MANAGEMENT I: Grades 9 - 12 - 5 Credits

This course engages students in solving contextual problems related to the concepts of supply chains, what house location, contingency planning, insourcing and outsourcing, and expanding existing supply chains. The concept form the basis of global logistics and supply chain management and help students understand how professionals examine options to maximize the use of resources across distribution networks.



SUPPLY CHAIN MANAGEMENT II: Grades 10 - 12 - 5 Credits

Prerequisite: Global Logistics I

An intermediate course on supply chain management that explores the concepts of ethical sourcing, lead-time adjustment, and transportation system planning. This course compels students to explore deeper understandings of the concepts they discovered in the previous course as they navigate projects on warehouse design, inventory management, transportation optimization, information technology, emergency responsiveness and the supply chain for manufacturing. Students use their experiences in this course to discover ways that professionals minimize the outlay of resources while improving efficiency and ability in the global market. The course is designed to have students work in teams that present solutions to company stakeholders, similar to the style of Shark Tank. Completion of all four logistics courses lead to certification in Supply Chain.



STRUCTURES AND AVIATION TECHNOLOGIES: Grades 9 - 12 - 2.5 Credits

Structures and Aviation Technologies is a half year course in which the students will be able to grasp the basic fundamentals regarding the history of various structures. Students will design and construct their own bridge, tower, and catapult. Students will assess these structures for distance, accuracy and efficiency. They will also construct balsa wood airplanes while learning the history and testing the airplanes for flight time.

GROUND TRANSPORTATION AND ROBOTICS: Grades 9 - 12 - 2.5 Credits

NO Prerequisite

Ground Transportation and Robotics class is a half year class where the students will embark on a learning quest to design and construct vehicles and assess these vehicles by time and distance. Some challenges will include a Mousetrap Car, that will be assessed by the furthest distance, an Electric Car, and culminating the transportation unit with a Co2 Car, that will be both assessed on speed. Students will grasp the uses of simple machines, electric circuits and aerodynamics among other topics. Students will then construct a Tetrax Max robot that will compete against other robots in the class in different challenges.

PRINCIPLES OF COMPUTER AIDED DESIGN: Grades 9 - 12 - 2.5 Credits

Principles of Computer Aided Design is a half year course in which the students familiarize themselves with AutoCad. They will learn simple commands and progressively move onto more advanced commands. After the students have mastered simple commands, they will continue with various views of an object. They will learn the top, front and right side views of an object and then create detailed drawings. After the students have mastered those views, they will draw Isometric views and comprehend why it is necessary to have auxiliary views. Learning will progress from drawing simple geometrical shapes to drawing complex gaskets and Isometric views.

ARCHITECTURAL MODELING AND 3D PRINTING: Grades 9 - 12 - 2.5 Credits

Architectural Modeling and 3D Printing is a continuation of Principles of Computer Aided Design. In this half year course students will become familiarized with 3D printing and design. They will continue their learning quest by designing 3D models and have the models 3d printed. Students will implement the skills that they acquired in the Principles of Computer Aided Design course. After the 3D unit the students continue with scale models and their uses. Students will acquire knowledge on how buildings are constructed and will erect a scale model of a house or garage. After modeling, students will learn floor plans and how to identify different types of symbols used on floor plans.. After they have mastered those steps, the students will draw floor plans and elevation views for a dream house.

VIDEO PRODUCTION I: Grades 10 - 12 - 2.5 Credits

Video Production I is a half year course where students study the history of visual media and media literacy (television, movies, commercials). Students will begin to learn about various phases in production and participate on-screen and behind the scenes jobs in order to make a production successful. Students will explore several methods of sharing and broadcasting videos. Career opportunities in production will also be explored throughout the year. Students will be introduced to production equipment, script writing, lighting and audio. Students will star in short commercials, public service announcements and on screen interviews. This course would be geared best towards students who have an interest in cameras, editing equipment, acting, writing, team work and public speaking



VIDEO PRODUCTION II: Grades 10 - 12 - 5 Credits

Video Production 2 is a full year course where students can dive deeper into the fundamentals of creating productions. Students will learn about camera angles, green screen usage and be exposed to more complex editing techniques. Students will be able to produce short films, music videos and newscasts. The course will also promote the following skills: critical thinking, collaboration, problem-solving and interdisciplinary thinking, written and oral communication, research and time management.

DIGITAL DESIGN I: Grades 10 - 12 - 2.5 Credits

This semester course is a hands-on introduction to understanding how multimedia affects our world today. This course will focus on the art of advertising and how it directly creates revenue. Students will partake in planning various design original campaigns using Photoshop such as billboards, logos, and magazine ads. Students will go through the real thought process of a digital designer from brainstorming to final product. This course would be best geared towards students who have an interest in art, computers, marketing, advertising, business and have patience to learn the Photoshop program.

DIGITAL DESIGN II: Grades 10 - 12 - 2.5 Credits

Prerequisite: Digital Design I

This course would be the continuation of Digital Design I. Students will be able to dive deeper into the meaning of digitally created advertising tactics and content. Students would take creating their own digital content to the next level by incorporating photos they are capturing using professional cameras. Students would be able to learn the basics of photography, including the use of lighting and green screens. Students would be able to edit their captured photos in Photoshop and incorporate them into original projects.

PRINCIPLES OF BUSINESS: Grades 9 - 12 - 2.5 Credits

This course is a comprehensive introductory business course that provides students with instruction in business concepts and skills that are needed in today's competitive environment. This course helps students learn business terminology and provides the groundwork into the study of economic decisions and systems, economic activity and how it is measured, business in the global economy, international business basics, social responsibility, ethics, business ownership, management and operations. Students will gain a better understanding of what the business world is all about and how a business operates and which business functions are needed in any business enterprise. Students that are considering a career in any area of business (marketing, finance, advertising, accounting, business management/administration, economics, international business, etc.) are encouraged to take this course.

BUSINESS LAW: Grades 10 - 12 - 2.5 Credits

Business Law is designed for students bound for college and those entering the workforce by focusing on contract and tort law and touching upon criminal law. These laws serve as a foundation of business, employment, and personal law. Students are given the opportunity to gain awareness and express themselves on subjects dealing with legality, jurisprudence, morality and ethics. Business Law has enormous practical value providing a background for professional exploration and emphasizing the challenges of private life such as finding a job, renting or buying a home, starting a company, or writing a will. Students will be able to apply critical thinking skills regarding legal principles in a variety of situations.



ACCOUNTING: Grades 9 - 12 - 5 Credits

This full year course covers a broad range of accounting principles. It includes instruction in special journals, posting, trial balancing, work sheets, financial statements, adjustments, and closing ledgers. Students are introduced to computerized accounting. This course is highly recommended for students who are training for many of the business occupations as well as students planning on becoming accounting or business majors at the college level.

ENTREPRENEURSHIP: Grades 10 - 12 - 2.5 Credits

Students will get an overview of owning a business. They will have units designed around showing students the internal and external fundamentals of business, which would include: marketing, accounting, economics, management, technology, and ethics. Students would be responsible for starting their own fictional business and enduring the trials, tribulations and success a business would go through. This course would be best for students who have a strong interest in business, proprietorship, determination, challenges, creative thinking, math, social media and design.

DIGITAL BUSINESS TOOLS: Grades 9 - 12 - 2.5 Credits

This semester course will provide students with an understanding of the fundamentals behind the operation of digital devices. Students will learn how their digital footprint impacts their future with a focus on online media safety. Students will be able to learn and apply all Google Applications to hands-on 21st century projects and presentations. Students will gain skills they can utilize into the tenure of their high school experience. This course would be best geared towards all students who need to learn how to better apply their computer skills.

ADVANCING WITH GOOGLE: Grades 9 - 12 - 2.5 Credits

This course is designed to provide students with necessary skills in today's digital world for their future academic and career aspirations. This course would be strictly taught using Google created PBL style lessons that are linked to NJ State Standards and ISTE standards. Students would do all project based activities to acquire the skills needed to master using Google Suites. They would also be eligible to become Google Certified in G-Suite based upon completion of the Certification Exam.

21st CENTURY MARKETING: Grades 10 - 12 - 2.5 Credits

In this semester class, students will understand principles and concepts of marketing, promotional strategies for marketing products, the selling process in sales environments and image, service and customer relations. They will demonstrate competency describing the relationship between profit and customer service, developing and presenting a business plan, applying marketing knowledge to economics, distribution, pricing strategies, selling, promotion, internet-based business and career planning. A co-curricular partner of this class is DECA - a national organization for marketing students that develops self-esteem, communication skills and character leadership. Students compete on a regional basis, state basis and national basis. Class discussions will revolve around marketing experiences in this social media based shopping.

SPORTS AND ENTERTAINMENT MARKETING: Grades 10 - 12 - 5 credits

This course will allow students to explore the intriguing world of sports and entertainment from the marketing perspective. Throughout the course, students will apply core marketing standards such as channel management, pricing, marketing information management, product/service management, promotion, selling, and market planning. Students will relate marketing basics, customer service,



economics, and business and international business concepts to the sports and entertainment industry. While applying marketing concepts, students will complete hands on projects that incorporate learning and innovation skills, life and career skills, 21st century skills, and information, media, and technology skills to prepare them for the real world. Students will also explore current trends in social media, math in marketing, communication skills, cooperative learning, legal and ethical industry issues, Internet activities, and sports and entertainment success stories/case studies to develop a deep understanding of Sports and Entertainment Marketing.

ENGINEERING: Grades 9 - 12 - 2.5 Credits

This course offers students the opportunity to understand and apply knowledge and skills required to create and transform ideas into a product that satisfies specific customer requirements. Students will experience engineering design process in action when they work to create, synthesize, iterate and present their design solutions. Students will coordinate and interact in authentic ways to produce the documentation with appropriate models to completely define a product. This course will maintain a focus on how engineers apply their creativity, resourcefulness, mathematical, scientific and technical knowledge and skills in the creation or refinement of technological products/systems. A key approach will be the employment of a sophisticated, sequential and iterative design and development process to solve authentic engineering tasks/problems.

SCHOOL TO CAREER EXPERIENCE: Grade 12 - 15 Credits

The School to Career Internship is a work-study program open to all seniors looking for paid employment. The students are placed in local industries to gain on-the-job training. Students have a related class period in which they develop skills in interviewing techniques, resume writing, effective work habits, job survival skills, and human relations techniques. Additional skills such as resumes and cover letters will be taught using a variety of software applications. Students are expected to obtain a job within a month of school and retain that job until graduation or find another one giving notice to the first employer.

ESS LEARNING STRATEGIES: Grades 9 - 12 - 5 Credits

This course is part of Effective School Solutions, which is a therapeutic program that allows each student individualized and quality clinical and related services so that he/she can fully benefit from all that Carteret High School has to offer.

ESS GROUP LIFE SKILLS: Grades 9 - 12 - 5 Credits

This course is part of Effective School Solutions, which is a therapeutic program that allows each student individualized and quality clinical and related services so that he/she can fully benefit from all that Carteret High School has to offer.

SHARE-TIME: Grades 9 - 12 - 15 Credits

Vocational School program for Special Programs.

JAG PROGRAM: Grades 11 - 12 – 10 credits

The JAG program is an intervention designed to support students as they transition from high school to career or college. Specialists deliver an array of counseling, employability skills development, career association, job development, and job placement services that will result in either a quality job leading to a career after graduation or enrollment in a postsecondary education and training program. The JAG National In-School Curriculum, consisting of 87 competency-based modules, provides hours of classroom instruction for those students that participate.



APEX LEARNING: Grades 9, 10, 11, and 12

Online learning opportunity for credit recovery and core courses.

TWILIGHT PROGRAM: Grades 9, 10, 11, and 12

Carteret Public Schools realizes today's adolescent learners are more diverse than ever in terms of their backgrounds, interests, learning styles, and motivations. Thus, we are addressing these differences by thinking outside the box and creating alternative education settings that acknowledge the fact that not everyone can learn in the traditional classroom setting. Our Twilight Program is offered after school and online through APEX Learning.



COLLEGE & UNIVERSITY PARTNERSHIPS

*College Credit-Bearing Course Offerings **

CARTERET SHARE LINCOLN TECH: Certificate program with Lincoln Tech offered to seniors who meet requirements.

MIDDLESEX COUNTY COLLEGE: Middlesex County College and Carteret High School have an agreement to allow high school students to earn college credits by attending classes on the College's Edison, NJ campus while still in high school. Juniors and seniors are eligible to enroll in any 100 or 200 level course that is offered in a given semester. The tuition is payable directly to Middlesex College by the student's parent/guardian. Students who wish to enroll in the Collegiate Academy should see their guidance counselor to review course options, registration authorization and information about tuition. Successful completion of each course will earn the student 3 college credits. All course offerings are made available by Middlesex CC and can be reviewed on their website: <https://www.middlesexcc.edu>

MIDDLESEX COUNTY COLLEGE HIGH SCHOOL SCHOLARS PROGRAM: The High School Scholars Program through Middlesex County College affords students an opportunity to earn college credit for courses taken at high school. The Middlesex County College Program has approved the following for credit through Middlesex County College Scholars: Advanced Placement Biology; Pre-calculus, Calculus and Advanced Placement Statistics. Students who are taking these courses at Carteret High School and wish to also be enrolled in the Middlesex College Program should see their guidance counselor to review registration, information and course requirements.

SETON HALL UNIVERSITY: Project Acced start on their university careers. Over the course of their high school career, students can earn up to 6 credits from Seton Hall University for approved courses taken in their secondary schools. Students taking either Spanish IV or Italian IV may enroll in Seton Hall's Project Acceleration to receive college credit. The college credits earned through Project Acceleration, a concurrent enrollment program within the College of Arts and Sciences at Seton Hall University, has allowed high school students in New Jersey to get a heleration are accepted at more than 200 colleges and universities.