



Boonton High School

2025-2026

Course Guide

306 Lathrop Avenue, Boonton, NJ 07005
www.boontonschools.org

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BOONTON HIGH SCHOOL

306 Lathrop Avenue, Boonton, NJ 07005

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A World Class Education for Tomorrow's Leaders

April 2, 2025

Dear Students and Families,

The faculty and administration of Boonton High School have designed this guide to assist you in planning and scheduling your academic courses for the 2025-2026 school year. Courses offered at BHS provide a wide variety of learning opportunities and should be carefully reviewed by parents and students. It is also advantageous to consult with school counselors and teachers in order to create a schedule that best meets your needs and goals.

This guide contains a brief summary of each course with notations about credits, pre-requisites, and content. It is important for parents and students to become familiar with this information before course selections are made. In planning your academic program, please be realistic about the courses you select in terms of your goals, abilities, interests, and past performance. Carefully select your courses, as you may not be able to make schedule changes later.

Entrance requirements vary among colleges, and academic performance is one of the most important indicators used by colleges for the selection process. We recommend taking the strongest academic program possible, one that is consistent with your ability to perform at a high level.

We look forward to working with and guiding BHS students and families as you plan your academic journey. Your Vice Principal, School Counselor, and myself are here to address any questions or concerns you may have. We wish you all much success throughout your Boonton High School career.

With Bomber Pride,

Jason Klebez

COURSE CORE PROFICIENCIES

NEW JERSEY DEPARTMENT OF EDUCATION

Student proficiencies in knowledge, skills, behavior, and attitude are an integral part of all courses of study offered at Boonton High School. The New Jersey State Department of Education requires the New Jersey State Student Learning Standards (NJSSLS). The Standards are embedded in all Boonton High School curricula as critical benchmarks of student learning.

BOONTON & NEW JERSEY DEPARTMENT OF EDUCATION

GRADUATION REQUIREMENTS

The Board certifies annually to the County Superintendent of Schools that each pupil who has been awarded a diploma has met the New Jersey State requirements for graduation, which shall include a minimum of 120 credit hours to meet all of the NJSSLS, completion of all course requirements listed below in Chart A, passing scores on the graduation assessment in both English language arts (ELA) and mathematics as identified by the NJDOE and satisfactory attendance according to the school's attendance policy.

School districts may establish course and/or credit requirements which exceed the state minimums. Boonton High School's graduation requires the completion of 130 credits for non-Gateway students for a state-endorsed diploma. Outlined below are the credit requirements for earning grade level status.

- **Sophomore** – 32.5 credits for sophomore status
- **Junior** – 65 credits for junior status
- **Senior** – 97.5 for senior status

THE GATEWAY ACADEMY GRADUATION REQUIREMENTS

Students are required to apply and be accepted into The Gateway Academy. The Gateway Academy scholars must graduate from Boonton High School with a minimum of 145 credits (as opposed to New Jersey's required 120) and complete all outlined components of The Gateway Academy curriculum. Qualified students are required to take AP Research and AP Seminar, providing Gateway scholars with the exclusive opportunity to earn College Board's AP Capstone Diploma or AP Seminar and Research Certificate. Students are required to take a minimum of eight Advanced Placement or Middle College courses throughout their tenure at Boonton High School with the goal of scoring three or higher on six of the respective AP Exams by the end of their junior year. Finally, students must take The Gateway Academy Capstone course in their senior year where they will ultimately develop and present a senior passion project related to their AP Capstone experience. Gateway students must complete the required summer assignments and maintain an unweighted GPA of 3.5.

High School Graduation Requirements (Chart A)

(N.J.A.C. 6A:8-5.1)

Subject Area	Years Required	Credits
Language Arts Literacy	4	20 credits in language arts literacy.
Mathematics	3	15 credits in mathematics, including Algebra I, Geometry, and 5 credits in a third year of mathematics that builds on the concepts of Algebra and Geometry.
Science	3	15 credits in science including at least 5 credits in a biology/life science course, 5 credits in a laboratory/inquiry based science course, which shall include chemistry, environmental science, or a physics course, and one additional laboratory/inquiry-based science course.
Social Studies	3	15 credits in social studies, including US History 1 and 2, five credits of world history, and the integration of civics, economics, geography and global content in all course offerings.
Financial, Economic, Business and Entrepreneurial Literacy	0.5	2.5 credits in financial, economic, business and entrepreneurial literacy.
Health/Driver's Education & Physical Education	4	3.75 credits minimum in physical education/health and safety during each year of enrollment, distributed as 150 minutes per week as required by N.J.S.A. 18A:35-5, 7 and 8.
Visual and Performing Arts (Art, Music, Theater)	1	5 credits in Visual and Performing Arts.
World Languages	1	5 credits in World Languages or student proficiency designated as Novice-High as defined by ACTFL.
21 st Century Life and Careers, or Career-Technical Education	1	5 credits in 21 st Century Life and Career or Career-Technical Education.

High School Graduation Assessment Requirements

The State Board of Education approved state regulations for the high school graduation assessment requirements in both English language arts (ELA) and mathematics for all students graduating high school in the state of New Jersey. These state regulations (NJAC 6A:8-5.1) became effective on September 6, 2016. We as a district will continue to follow the current testing assessments required for graduation until we are notified otherwise. We will update you through the website of any changes to the assessment requirements.

INNOVATIVE PROGRAMS

AVID

The AVID (Advancement Via Individual Determination) Program is a four-year, nationally recognized program for motivated students who wish to take more challenging coursework (honors and Advanced Placement) in preparation for a two- or four-year college but feel they need additional support and individualized attention during the school day. The heart of the AVID Program is the AVID Elective, a 5-credit course that focuses on career and college readiness through tutorials, field trips, career planning, and college admissions preparation. The AVID Program is currently available for incoming 9th grade students through an application process.

Required Courses

AVID 9
AVID 10
AVID 11
AVID 12

THE ACADEMIES AT BOONTON HIGH SCHOOL

Course offerings subject to change

THE AVIATION ACADEMY

The Aviation Academy offers students comprehensive aviation study options consisting of two aviation STEM career and technical education (CTE) pathways: Pilot and Unmanned Aircraft Systems (drones). With as many as 602,000 pilot vacancies and 610,000 technician vacancies anticipated worldwide by 2041, this is a tremendous opportunity for students to pursue aviation careers that they may not have previously considered. Field experiences and extracurricular opportunities are offered in partnership with the Civil Air Patrol Cadet Program, through which students will gain the knowledge base that will afford them the opportunity to pursue their Private Pilot Knowledge or Part 107 Remote Pilot Test.

Required Courses

Aviation I
Aviation II
Aviation III (Pilot)
Aviation III (UAS)
Aviation IV (Pilot)
Aviation IV (UAS)

Field Experience -This immersive, required 100 hour experience introduces students to a variety of fields and topics related to aviation.

THE BUSINESS ACADEMY

The Business Academy is designed for students with an interest in business. Courses cover the major components of business including accounting, finance, economics, marketing, management, and entrepreneurship. The required courses, coupled with a unique field experience opportunity will prepare students for post-secondary studies and careers in business-related fields.

Required Courses

Business Administration
Accounting I (H/DC)
AP Macroeconomics

Business Law (H/DC)
Business Finance (H/DC)
Entrepreneurship (H/DC)

Field Experience -This immersive, required 100 hour experience introduces students to a variety of fields and topics related to business.

THE CRIMINAL JUSTICE ACADEMY

The Criminal Justice Academy is designed for students with an interest in law and the related areas of the criminal justice systems. Courses cover the major components of the criminal justice system including criminal justice, forensics, law enforcement, the legal system, and public safety. The required courses, coupled with a unique field experience opportunity will prepare students for post-secondary studies and careers in criminal justice related fields, including: police agencies, corrections, legal studies, investigative work, and private security.

Required Courses

Introduction to Criminal Justice
Forensic Science
Government, Law & Politics (H/DC)
Criminal Justice System (H/DC)
Sociology (H/DC)
Business Law (H/DC)
AP Psychology

Field Experience -This immersive, required 100 hour experience introduces students to a variety of fields and topics related to criminal justice.

THE GATEWAY ACADEMY

The Gateway Academy is designed for students who meet stringent academic criteria. Students enrolled in The Gateway Academy have the potential to graduate with a minimum of thirty college credits accumulated over the course of four years. The Gateway Academy provides enrolled students with a liberal arts education, or the opportunity to pursue an offered academic concentration. Students graduating from The Gateway Academy also have the exclusive opportunity to earn the AP Capstone Diploma or the AP Seminar and Research Certificate.

Required Courses

AP Seminar
AP Research

THE STEM ACADEMY

The STEM Academy is designed for students with an interest in science, technology, engineering, and/or mathematics. Courses cover the major components of each discipline, providing students with an opportunity to further explore particular areas of interest. The required courses, coupled with a unique field experience opportunity will prepare students for post-secondary studies and careers in each of the STEM-related fields.

Required Courses

STEM (2020-2021)
AP Computer Science Principles
Game Design (H/DC)
Robotics Programming (H/DC)
Engineering Design (H/DC)
Architectural Design (H/DC)

Field Experience -This immersive, required 100 hour experience introduces students to a variety of fields and topics related to STEM.

THE TEACHING & LEARNING ACADEMY

The Teaching and Learning Academy is designed for students with an interest in education and human services. Courses cover the major components of teaching and learning including childhood development, curriculum, and pedagogy from early childhood through high school. The required courses, coupled with a unique field experience opportunity will prepare students for post-secondary studies and careers in education, social work, and related fields.

Students will graduate from this academy with the coursework completed for the Child Development Associate (CDA) Educational Endorsement Certificate of Achievement, the only nationally recognized certification for Early Childhood Education. The nationally recognized credential has been accepted as a state requirement for working in many early childhood centers.

Required Courses

Current Topics in Education
Early Childhood Development (CDA Course 1)*
Curriculum, Teaching, and Learning (CDA Course 2)*
Capstone: Effective Preschool Practices (CDA Course 3)*
Tomorrow's Teachers H/DC
Sociology H/DC

Field Experience -This immersive, required 100 hour experience introduces students to a variety of fields and topics related to teaching and learning.

SCHOOL COUNSELING SERVICES

The Boonton High School Counseling Department strives to provide comprehensive and sequential services to students in grades 9 through 12. The primary goal of the school counseling program is to promote the academic, career and social/emotional development of all students. School counselors help build a foundation for learning by assisting students to develop self-respect, self-advocacy, autonomy, awareness of others and a positive attitude toward acquiring knowledge.

Counseling services include individual and small group counseling, scheduling, interpreting test results, preparing transcripts, college/career recommendations, and college/career advice. Students are provided assistance with accessing academic support, scholarship and loan information, obtaining employment and with gaining information about the armed services. Counseling services are most beneficial when conducted in partnership with teachers and parents/guardians. A team approach to student advocacy provides the support needed to ensure student success.

CHILD STUDY TEAM

The Child Study Team (CST) members at Boonton High School provide services to address individual students in order to support academic achievement. CST personnel are available as consultants to students, parents/guardians, teachers, and administrators to support students with special needs.

The members of the Child Study Team consist of:

School Psychologist: This person conducts a psychological evaluation based on formal testing, interviews, and observations which contribute to the knowledge of a student's intelligence and personal characteristics related to learning and social/emotional needs.

Social Worker: The School Social Worker evaluates personal development and social adjustment as these factors impact a student's ability to learn and function within the school setting.

Learning Consultant: This member of the Child Study Team evaluates academic and learning strengths and weaknesses through testing, interviews and observations, and makes recommendations related to the methods, materials and techniques needed to maximize learning for a student.

Transition Coordinator: The transition coordinator focuses on identifying the needs of an individual going through the transition process. They work with students to help identify their strengths, interests, and preferences and assist the student in developing or attaining postsecondary goals related to training, education, employment and, if appropriate, independent living.

HOME INSTRUCTION

Home Instruction is available for students who are confined to home for extended periods of time. To apply for this service, a parent must submit a physician's note explaining the nature of the medical condition and the approximate time necessary for recuperation. The parent should contact the child's school counselor. Home instruction must have approval from the school physician. Home instruction will only be provided to students whose medical documentation indicates a likelihood of a minimum two (2) week absence.

COURSE SELECTION

The Boonton Public School District is committed to providing all students with equal access to the curriculum and equal access to all courses. Encouraging students to enroll in rigorous courses provides the opportunity for students to raise their achievement levels and ensure postsecondary success and work readiness.

Classes are offered at various levels of difficulty. Students are encouraged to take rigorous courses at the Honors, Dual Credit, or Advanced Placement level in areas where they have interest or career aspirations. Past performance and student success in a subject area are key indicators of future success. Students receiving final grades of “B” or “A” in the previous year’s course are encouraged to consider a more rigorous course level for the subsequent year.

The Boonton Public School District encourages and practices open access for all students to Honors Courses, Dual Credit, and Advanced Placement (AP) courses. These courses are a rigorous curriculum extension of the regular course of study often requiring higher levels of workload, including extensive independent study by the students. Teachers make recommendations using an AP/Honors rubric to guide students to select the most appropriate program and course level. In considering these recommendations, students and parents are encouraged to select an appropriate course load that balances curriculum demands with a healthy, well-rounded lifestyle.

HONORS, DUAL CREDIT, AND AP COURSES: Students are expected to complete all summer assignments and maintain the pace of an Honors or an AP course throughout the year. **All students must earn a grade of “C-” or higher at the end of the first marking period. If a student receives a grade lower than a “C-” at the end of the first marking period, his/her schedule *may* be adjusted to reflect the change to a lower level course.** If a corresponding lower level course is not available, the student must remain in the current course. Although every attempt will be made to minimize disruption to a student’s schedule, *it is strongly recommended* that parents and students consider every AP and Honors course selection carefully to ensure success and avoid dramatic schedule changes at the end of the first marking period. In order to receive dual college credit, students must submit the required paperwork and fees by the deadline. School counselors are available to assist and support students and parents throughout the scheduling process and can be contacted through the Boonton High School Counseling Department (973-335-9700, ext. 4003).

Honors Dual Credit, or Early College Courses, are subject to agreements with strategic partners and may change at any time. If a strategic partner elects to change an agreement, the course will be offered as a standard honors course without college credit.

COURSE AVAILABILITY

In order to provide the broadest program possible to meet the individual needs of students, a wide selection of electives is available in all subject areas. Most of these courses are offered on a full-year basis, with some semester offerings.

Class-size limits are established in order to provide optimum educational opportunities for students and the district makes every attempt to adhere to these limits.

A course might not be offered during a given school year due to low enrollment and/or budgetary constraints. It is advisable to consider alternate course options during the scheduling process. For this reason, students are asked to rank their top 6 elective choices with the understanding that they could receive their 6th choice.

PROGRAM PLANNING

The information below is to be used as a guide for program planning as each student and parent/guardian works to select courses for each year of a student's four-year high school career. A four-year planning worksheet is available as a part of the course guide to assist with this process.

Students and parents/guardians should review the course guide and discuss course selections prior to the student counselor scheduling conference. Students and parents/guardians can contact the counselor through the Boonton High School Counseling Department (973-335-9700, ext. 4003) with any questions regarding course selection and long range planning.

Important Scheduling Points:

1. A thorough review of course offerings in the course guide posted on-line on the BHS Counseling website should be conducted by students and parents/guardians with close attention to course expectations, course levels and prerequisites.
2. A student's program should be determined through discussions with teachers, counselor, and parent/guardian with a focus on a student's educational and career goals, individual student interests, and abilities.
3. Scheduling for classified students involves the advice and recommendations of the Child Study Team.
4. Course requirements for graduation take priority in the scheduling process over elective courses. Therefore, elective courses chosen during a scheduling conference are tentative. Each student will be able to view course requests in Realtime at the end of his/her scheduling conference with his/her BHS School Counselor.
5. Student course requests for verification will be accessible in Real Time. Should there be any questions or concerns, parents/guardians and students are responsible for notifying the counselor regarding a change in course selection. **Parents/guardians will be notified via an e-blast and the BHS website of the deadline for course request changes.**
6. Valid reasons for schedule changes in September are limited to the correction of a computer error, addition of a required course, addition of credits required by seniors for graduation, and an adjustment for summer school completion. **No schedule changes, except for those reasons indicated above, will be allowed before the first course change window opens.**

High School Graduation Credit Tracker

	9	10	11	12	Content	Total
English						
Math					<input type="checkbox"/> Algebra <input type="checkbox"/> Geometry <input type="checkbox"/> Algebra 2	
Lab Science					<input type="checkbox"/> Bio <input type="checkbox"/> Chem <input type="checkbox"/> Physics	
PE/ Health						
History					<input type="checkbox"/> World <input type="checkbox"/> US 1 <input type="checkbox"/> US 2	
VPA						
21st						
P.F.						
W.L.						
Other Reqs.						
Credits						

Credits Completed: _____

Credits Needed: _____

COURSE LEVELS

Many core courses are offered through Boonton High School for different ability levels: Special Services classes, College Prep, Honors Level, Dual Credit, and Advanced Placement. It is important for students to consider their interests, abilities, and time constraints when selecting a course schedule and especially a course level. Remember that courses should be selected based on individual abilities, needs, and involvement in sports and extracurricular activities.

Enrollment in **Special Services** classes is based on the recommendation of the Child Study Team for students with an Individualized Education Plan (IEP). These courses are designed to accommodate various learning needs and learning differences. The Special Services outline below describes the course options available.

College Prep (CP) classes are the standard college prep level courses requiring students to work independently and have strong organizational skills. Average to above-average reading and writing skills are needed for success at this level.

Honors Level / Dual Credit/College Level courses require advanced facility with reading and with written and spoken language. Strong organizational skills and the ability for a student to work independently are required. Students are challenged to think abstractly and to demonstrate a facility with problem-solving skills in Honors level classes. Strong self-advocacy skills are of benefit at this level.

Advanced Placement (AP) courses follow a national curriculum which presents college-level work to high school students. The pace of these courses requires above-average skills related to work ethic and thinking and reasoning skills. Reading and written language skills should be above average in order for students to be successful. **Students are expected to take the AP level exam in the subject studied as well as attend AP hours.** AP courses are demanding and require independent study and learning on the part of the student.

SPECIAL SERVICES COURSES

Decisions regarding the appropriateness of program options for a student with an educational disability are made through the Individualized Education Plan (IEP). The IEP is a written plan developed at a formal meeting with a student's IEP team which is comprised of parent(s), teacher(s), member(s) of the Child Study Team, and the student. The IEP states the student's current educational status and needs, sets the goals and objectives for the student and describes the program and services necessary for the student to achieve the stated goals and objectives. The following are Special Education Program options offered through a student's IEP at BHS starting with the least restrictive environment. Within each of these programs, the New Jersey Student Learning Standards are implemented in a modified version as deemed by the IEP.

General Education with a Shared Aide Instruction

This program serves students who are capable of meeting the objectives and expectations of specific academic courses, but need assistance from a shared aide who will provide support as needed in order to maintain success in general academic courses.

In-Class Resource Instruction

This program serves students who are capable of meeting the objectives and expectations of specific academic courses, but need assistance from the special education teacher in modifying methods, materials and/or strategies for learning. This program is provided within the general education classroom where general education and special education teachers collaboratively offer instruction.

Pull-out Replacement Instruction

This program serves students who require more individualized, small groups and use of a variety of teaching modalities during instruction in order to meet the objectives and expectations of specific academic courses. In these classes, students receive assistance from the special education teacher in modifying methods, materials and/or strategies for learning. It allows for modification in the pacing, content and scope of instruction in specific academic subjects with the benefit of a separate small group setting.

Learning Language Disability Program

This program serves students who require more individualized instruction using a variety of teaching modalities and specialized materials in order to meet the objectives and expectations of specific academic courses. It allows for modification in the pacing, content and scope of instruction. Specialized materials are selected to augment the general education curriculum and specifically meet the individual student's instructional needs. Most students in this class receive related services for physical, occupational, and speech therapy. Within this program, students have opportunities and exposure to community based instructional opportunities.

Multiple Disabilities Program

This program serves students who require more individualized instruction using a variety of teaching modalities and specialized materials in order to augment the general education curriculum and specifically meet the individual student's instructional needs. It allows for greater modification in the pacing, content and scope of instruction in specific academic subjects. Most students in this class receive related services for physical, occupational, and speech therapy. Within this program, students also have additional exposure to community based instructional work experiences. There is an emphasis on students with more significant needs whose post-graduation plans are primarily focused on entry into the workforce. The students are provided individualized and small group instruction in all major academic subjects in accordance with their IEPs, with emphasis on life skills and career development.

Transition Program 18-21

This program is tailored to the needs of our adult students with an emphasis on life and career skill development. In this program, students focus on a variety of skills through the Pathways Curriculum and work based learning opportunities to support their transition to independence. There is a targeted focus on matching student's interests with job sites to gain the skills needed for future employment and independence.

Students are provided individualized and small group instruction in major academic subjects as well as related therapies in accordance with their IEPs.

SCHEDULE CHANGES

Valid reasons for schedule changes are limited to the correction of a scheduling error, addition of a required course, addition of credits required by seniors for graduation, and an adjustment for New Jersey Virtual School and/or summer school completion.

Requests for teacher changes based merely on teacher personality or preferred teaching styles will not be honored. Boonton High School has an obligation to ensure equity in placement for all students based on their course needs. The deadline for all schedule changes is Monday, October 6, 2025.

Please note the following scheduling procedures:

It is the expectation of the Boonton High School administration and staff that a student demonstrating proficiency (earning a minimum grade of “C”) will remain in his/her scheduled course. Therefore, a student requesting a level change, who demonstrates such proficiencies, will need to present evidence of extenuating circumstances.

It is strongly suggested that each student review his/her end-of-year course achievement with teachers, parents/guardians and/or school counselors to determine if a level change is appropriate. Should a level change be necessary, students should contact the school counselor before the end of the school year. **Counselors are available on a limited basis over the summer to work on scheduling conflicts and errors.**

SCHEDULE CHANGES DURING THE SCHOOL YEAR

DROPPING A COURSE

The request to drop a course should only occur after much thought and consultation have taken place. Students must make an appointment with their school counselor if they are contemplating dropping a course. Students requesting to drop a course from their schedule must submit a Scheduling Change Form to their counselor. On this form, the reason for requesting the change must be stated. It is the responsibility of the student to acquire all of the signatures necessary. A student may drop a full-year or first semester course within the first four weeks of the first marking. A student may drop a second semester course within the first four weeks of the third marking period. If a student drops a course during the first or second schedule change window, no notation will be recorded on the permanent record. Dropping a course during the third schedule change window will result in a grade of “WP” or “WF” on the student’s permanent record.

COURSES OF STUDY BY DEPARTMENT

All courses subject to change based on numbers and teacher availability

(Denoted in blue means course is not running in 2025-2026.)

AVIATION

Aviation I Honors/Dual Credit (9915)

5 Credits (Full-Year), Grade 9

Prerequisite: None

This course provides the foundation for advanced exploration in flying, aerospace engineering, and unmanned aircraft systems. Students will learn about engineering practices, problem-solving, and the innovations and technological developments that have made today's aviation and aerospace industries possible. Students will look at the problem-solving practices and innovative leaps that transformed space exploration from the unimaginable to the common in a single generation. Students will also gain a historical perspective, from the earliest flying machines to various modern aircraft.

This course also provides the foundation for both the pilot and UAS pathways, and gives students a clear understanding of career opportunities in aviation and aerospace and the critical issues affecting the industry. Students will also begin to drill down into the various sectors of aviation and the elements that make up the aerospace ecosystem. They will discover how advances in aviation created a need for regulation and learn about the promulgation of civil aviation oversight. Students will explore modern innovations and develop innovative ideas to address the aviation industry's real-world challenges. They will be exposed to various career options in aviation and aerospace and take an in-depth look at available opportunities.

Aviation II Honors/Dual Credit (9901)

5 Credits (Full-Year), Grade 10

Prerequisite: Aviation I

The first half of the course focuses on Introduction to Flight, where students will look closely at the aircraft they may one day operate. Students will begin with an exploration of the types of aircraft in use today before learning how aircraft are made and how they fly. Students will understand how aircraft are categorized, be able to identify their parts, and learn about aircraft construction techniques and materials. They will gain an in-depth understanding of the forces of flight—lift, weight, thrust, and drag—including how to make key calculations. They will then touch on aircraft design, looking at stability, aircraft controls, and maneuvering flight. The course will focus on career skills related to these topics.

The second half of the course focuses on Aircraft Systems and Performance, where students will take an in-depth look at the systems that make crewed and uncrewed aircraft work. Beginning with aircraft powerplants and fuel systems, students will learn about the options available and how they affect aircraft design and performance. They will explore other key aircraft systems, including electrical, pitot-static, and vacuum systems.

Throughout the course, they will learn about the flight instruments associated with each system and how to identify and troubleshoot common problems. This unit also covers aircraft flight manuals and required aircraft documents. Finally, students will learn about the factors that affect aircraft performance and how to determine critical operating data for aircraft.

Aviation III (Pilot Pathway) (9902) (Offered 2026-2027)

5 Credits (Full-Year), Grade 11

Prerequisite: Aviation II

This course is foundational for both crewed and uncrewed aviation. It will prepare students to take either Federal Aviation Administration tests: the Private Pilot Knowledge Test or the Part 107 Remote Pilot Knowledge Test. Topics include preflight procedures, airspace, radio communications, aviation terminology, regulations, airport operations, aviation safety, weather, cockpit management, and emergency procedures.

The second half of the course focuses on Flight Planning, which will cover the remaining topics necessary for students to take the

Federal Aviation Administration's Private Pilot Knowledge Test. Students will learn about pilot and aircraft qualifications, cross-country flight planning, weight and balance, performance and limitations, human factors, chart use, night operations, navigation systems, and aeronautical decision-making. Students will be provided the opportunity to participate in multiple practice examinations. At the end of this course, a school may choose to arrange for students to take the Federal Aviation Administration's Private Pilot written exam.

Aviation III (UAS Pathway) (9903) (Offered 2026-2027)

5 Credits (Full-Year), Grade 11

Prerequisite: Aviation II

This course is foundational for both crewed and uncrewed aviation. It will prepare students to take either Federal Aviation Administration tests: the Private Pilot Knowledge Test or the Part 107 Remote Pilot Knowledge Test. Topics include preflight procedures, airspace, radio communications, aviation terminology, regulations, airport operations, aviation safety, weather, cockpit management, and emergency procedures.

The second half of the course focuses on UAS operations, and will cover many topics surrounding UAS missions, from mission planning to UAV performance to crew resource management. Students may take the Federal Aviation Administration's Part 107 Remote Pilot Knowledge Test upon completion of this course, as well as give them the opportunity to experience hands-on commercial flight operations.

Aviation III (Drone Operations) Honors/Dual Credit (9906)

2.5 Credits (Half-Year), Grade 9-12

Prerequisite: None

The Drone (UAS) Operations course will cover many topics surrounding UAS missions, from mission planning to UAV performance to crew resource management. The course is designed to prepare students to pass the FAA Part 107 Remote Pilot Certification Exam as well as give them the opportunity to experience hands-on commercial flight operations.

Aviation IV (Pilot Pathway) (9904) (Offered 2027-2028)

5 Credits (Full-Year), Grade 12

Prerequisite: Aviation III

Students will examine advanced aviation topics and career options after preparing for the Private Pilot Knowledge Test or Part 107 Remote Pilot Test in the previous year. Instrument flight, commercial aviation, and advanced aircraft systems begin the semester. Looking into the future, students will then explore new horizons in the aerospace industry. What might aviation look like five, ten, or twenty years into the future? The focus then turns to business development opportunities in aviation. Finally, students will learn about and conduct different types of research in preparation for their capstone project in the second semester.

The capstone course is the culmination of the student learning experience. The students will work individually or in small groups to study and report on an aviation topic of their choosing. The goal of this capstone course is to allow students to demonstrate an understanding of a contemporary topic in aviation. The curriculum will include presentations and activities to help guide student research and project development.

Aviation IV (UAS Pathway) (9905) (Offered 2027-2028)

5 Credits (Full-Year), Grade 12

Prerequisite: Aviation III

After preparing for the Part 107 Remote Pilot Test the previous year, students can earn a valuable FAA certification and CTE stackable credential to work as commercial drone pilots. This year, they will use that certification—and the knowledge they acquired pursuing it—in real-world scenarios that illustrate how drones are used across various industries today. Students will also learn how drone operations can be used to build or enhance a business and the entrepreneurial skills necessary to get a start-up off the ground. They will also review drone rules within their communities, enabling them to make recommendations to elected officials on optimizing UAS operations in their communities. Finally, students will learn about and conduct different types of research in preparation for their capstone project in the second semester.

The capstone course is the culmination of the student learning experience. The students will work as individuals or in small groups to study and report on a UAS topic of their choosing. The goal of this capstone course is to allow students to demonstrate an understanding of a contemporary topic in the drone industry. The curriculum will include presentations and activities to help guide student research and project development.

AVID

AVID 9 (9917)

5 Credits (Full-Year), Grade 9

Prerequisite: Entrance is by special application only and the desire and motivation to attend a four-year college upon graduation from high school.

The AVID elective course is designed to prepare, in an academic context, students for entrance into four year colleges, with emphasis on analytical writing, preparation for college entrance exams (PSAT, SAT, ACT), college study skills and test taking, note taking, and research. The course features tutors who support student learning primarily in small groups in the AVID Elective class during the school day.

AVID 10 (9918)

5 Credits (Full-Year), Grade 10

Prerequisite: AVID 9 or by application

This full year course, AVID Elective 10 is a college readiness course that will become the second course in a sequence of four for the AVID Program. This course will be required for all sophomores in the AVID Program and will provide 5 credits toward the 140 credits required for graduation. The course is aligned to the New Jersey Student Learning Standards for English, Technology, Social Studies, and Science, with an emphasis on CPIs in English and Technology. This course will provide students with academic support for AP, Honors and CPA level courses and assist them in the development of career goals, while at the same time exposing them to colleges and universities. Students will attend college fairs and college visits through the Elective while preparing for college entrance exams. Students will continue to refine Cornell Notes, Costa's Questions, WICOR strategies, and Tutorials. *This course fulfills the 21st Century Requirement.*

AVID 11 (9919)

5 Credits (Full-Year), Grade 11

Prerequisite: AVID 10

This full year course, AVID Elective 11 is a college readiness course that will become the third course in a sequence of four for the AVID Program. This course will be required for all juniors in the AVID Program and will provide 5 credits toward the 140 credits required for graduation. The course is aligned to the New Jersey Student Learning Standards for English, Technology, Social Studies, and Science, with an emphasis on CPIs in English and Technology. This course will provide students with academic support for AP, Honors and CPA level courses and assist them in the development of career goals, while at the same time exposing them to colleges and universities. Students in AVID Elective 11 will focus on beginning a Service Learning Research Project, the college application process, preparing for college entrance exams such as SAT and ACT, and continue to refine AVID strategies.

AVID 12 (9920)

5 Credits (Full-Year), Grade 12

Prerequisite: AVID 11

The AVID Elective 12 is a college readiness seminar course that will become the fourth course in a sequence of four, serving as the culmination of a student's years in the AVID Program. The AVID Elective 12 will place a strong emphasis on critical reading and writing, the completion of the AVID 11 Service Learning Research Project, and preparation for external exams, such as Advanced Placement and/or college entrance exams. This course will be required for all seniors in the AVID Program and will provide 5 credits toward the 140 credits required for graduation. The course is aligned to the New Jersey Student Learning Standards for English, Technology, Social Studies, and Science, with emphasis on CPIs in English and Technology. The AVID Elective 12 will provide students with continued academic support for AP, Honors and CPA level courses, while preparing them to attend four-year universities and assisting them in confirming their post-secondary plans. Students in the AVID Elective 12 will be required to develop and present a portfolio of their work in the AVID Program, as well as complete the requirements for this seminar course.

BUSINESS

Accounting I Honors/Dual Credit (0711)

5 Credits (Full-Year), Grades 10-12

Prerequisite: Personal Finance, Business Administration, Computer Applications

This course is an introduction to the concepts of accounting principles and methods. Specific content includes a thorough explanation of the accounting cycle and how it pertains to service and merchandising business. Special subject areas include reconciliation statements, notes, and interest; adjusting and closing entries; and a variety of financial statements. This course fulfills the Financial Literacy or 21st Century Requirement.

AP Macroeconomics (0785)

5 Credits (Full-Year), Grades 10-12

Prerequisite: Teacher Recommendation, AP Potential Recommendation, or Gateway Academy Admission

This course is designed to prepare its students for the AP examinations in Macroeconomics. Economics is essentially about decision-making. Macroeconomics deals with the economy as a whole and examines issues such as economic growth, inflation and unemployment as well as the effectiveness of fiscal and monetary policy in promoting economic growth and stability. This course fulfills the Financial Literacy or 21st Century Requirement.

Business Administration (0714)

5 Credits (Full-Year), Grades 9-12

Prerequisite: None

This course will cover major fields of study within business including: economics, management, marketing, accounting and finance. It will also examine entrepreneurship, human resources, business law, career and financial planning, and the use of technology in business. This course fulfills the Financial Literacy or 21st Century Requirement.

Business Law Honors/Dual Credit (0706)

2.5 Credits (Half-Year), Grades 11-12

Prerequisite: Teacher Recommendation

This course focuses on the legal rights and responsibilities of citizenship. Students will become familiar with both business law and personal law. The course provides an introduction to the law, business and personal contracts, and legal topics ranging from the U.S. Constitution to corporate expansion and regulation. Additionally, this course includes a significant oral presentation and public speaking component, requiring students to analyze legal cases, present arguments, and engage in discussions on legal and civic issues. This course fulfills the 21st Century Requirement.

Business Finance Honors/Dual Credit (0707)

2.5 Credits (Half-Year), Grades 11-12

Prerequisite: Accounting and Teacher Recommendation

The objective of this course is to introduce the student to the basic principles of Financial Management. These principles include financial statement analysis, time value of money, bond valuation, stock valuation, the relationship between risk and return, capital budgeting, investment decisions, short term and long term financing decisions, financial planning, and options. This course fulfills the 21st Century or Financial Literacy Requirement.

Business Skills (0705)

2.5 Credits (Half-Year), Grades 11-12

Prerequisite: None

This comprehensive course is designed to enhance students' communication skills and prepare them for success in various professional settings. The course covers a wide range of topics, starting with an exploration of communication styles, listening skills, professional communications, conflict management, and public speaking. The

course also delves into business letters, memos, and various formulas for career success. Students will learn the intricacies of job applications, cover letters, portfolio development, interview preparation, and the interview process. This course offers a holistic approach to communication and professional development, ensuring that students acquire the necessary skills and knowledge to excel in their careers.

Computer Applications (0708)

2.5 Credits (Half-Year), Grades 9-10

Prerequisite: None

This half-year course covers the basic and advanced features of software applications using Microsoft Office. Students will learn Word/Docs (word processing), Excel/Sheets (spreadsheet), PowerPoint/Slides (presentation graphics) and Publisher. Students will apply their knowledge to create a research paper, and various documents including a business letter, resume, forms, and tables in Word. Using Excel/Sheets students will create worksheets, manage workbooks, create charts and tables, and utilize formulas, functions, and formatting features. During the course students will utilize PowerPoint/Slides to develop slide content, insert and format shapes, create organization charts, apply transitions, animations, and sound to create a multimedia presentation. Students will also utilize the Publisher program to produce personal and business-oriented products. This course does fulfill the 21st Century requirement.

Entrepreneurship Honors/Dual Credit (0702)

5 Credits (Full-Year), Grade 10-12

Prerequisite: Business Administration and Teacher Recommendation

This course provides students with a solid foundation of the key concepts in entrepreneurship and innovation as a process that can be applied in any organizational setting. This course will explore characteristics and examples of entrepreneurs and encourages students to examine all the major steps involved in starting a new business. Students will explore entrepreneurship by developing a business plan, identifying and meeting a market need, and understanding distribution, promotion, and selling. They will see the life cycle of an entrepreneur's career and how organizations evolve from a start-up enterprise to a sizable corporation. Additionally, this course includes a significant oral presentation and public speaking component, requiring students to pitch business ideas, present business plans, and effectively communicate their entrepreneurial vision.

Marketing (0703)

5 Credits (Full-Year), Grades 9-12

Prerequisite: None

Marketing focuses on finding a need, an audience and using tools to analyze interest and deliver products to the marketplace. Students will focus on promoting, pricing and selling products. Key aspects will include marketing information management, data analysis, product planning, distribution, and risk management. Students explore the functions of marketing by analyzing the concepts, researching existing company's marketing plans, and by participating in activities that illustrate and demonstrate a thorough understanding of the marketing process. This course does **not** fulfill the Financial Literacy Requirement but does fulfill the 21st Century Requirement.

Sports Marketing (0731)

2.5 Credits (Half-Year), Grades 9-12

Prerequisite: None

The purpose of Sports Marketing and Management is to furnish students with a basic understanding of the terminology and procedures involved in the sports industry. The level and style of presentation facilitate the development of a knowledge base that will allow students to obtain employment and to perform successfully in positions that require basic marketing and management knowledge. The sports industry is fast growing and has many opportunities. The goal is to better prepare students for this industry and open their eyes to the realities within the industry. **This semester course will be taken with Personal Finance.** This course **does not** fulfill the 21st Century or Financial Literacy Requirement.

Accounting II Honors/Dual Credit (0712) (Offered 2026-2027)

5 Credits (Full-Year), Grades 11-12

Prerequisite: Accounting I H/DC and Teacher Recommendation Full Year

This course starts with the accounting cycle of a service operation; it continues with topics concerning merchandising

operations, inventory, cash, and receivables. In addition, this course covers the acquisition, allocation, and disposal of property, plant, equipment, natural resources, and intangible assets. This course does **not** fulfill the Financial Literacy or 21st Century Requirement.

CRIMINAL JUSTICE

Introduction to Criminal Justice (0545)

2.5 Credits (Half-Year), Grades 10-12 or Academy Admission

Prerequisite: None

This course is recommended for students who desire to learn the history, organization, and functions of various components of the criminal justice system. The course focuses on the interrelationships among law enforcement agencies, prosecution, courts, correctional processes and institutions, probation, parole, juvenile justice, and other officials and their agencies. This semester course is taken in conjunction with Forensic Science.

Criminal Justice System H/DC (0547)

2.5 Credits (Half-Year), Grades 10-12

Prerequisite: Teacher Recommendation

A study of the overall system of criminal justice from its early historical development to its evolution within the United States. Identification of various sub-enforcement, courts and corrections; their role expectations and systems and components - law interrelationships; and basic premises of crime, punishment and rehabilitation.

EDUCATION

Current Topics in Education (3000)

5 Credits (Full-Year), Grades 9-12

Prerequisite: None

Students will gain an introduction to the historical, cultural, and philosophical foundations of our system of American public education. *This course fulfills the 21st Century Requirement.*

Early Childhood Development (CDA Course 1) (3001)*

CCM Credit Only (Half-Year), Grades 10-12

Prerequisite: None

***Fees may apply**

This course studies the growth and development of the child from birth through age eight. It will cover a variety of factors that influence child development such as diversity, culture, health, economic and family environment. Also it provides an overview of the major theorists in the field of human development. There will be discussion regarding these theorists' contributions to understanding how children grow and learn. Students will have the opportunity to observe and report on a variety of teaching and learning venues.

Curriculum, Teaching, and Learning (CDA Course 2) (3002)*

CCM Credit Only (Half-Year), Grades 10-12

Prerequisite: Early Childhood Development

***Fees may apply**

This course studies designing, implementing, and evaluating developmentally appropriate curriculum for children birth through age eight with a focus on language and literacy, social and emotional learning, creative arts, and social studies, math, science and technology. A field work component includes observation of curriculum and teaching and learning in an Early Childhood Education setting.

CDA Capstone: Effective Preschool Practices (CDA Course 3) (3004)*

CCM Credit Only (Half-Year), Grades 10-12

Prerequisite: Early Childhood Development and Curriculum, Teaching and Learning

***Fees may apply**

This course studies effective, practical, research-based methods for developing preschool teachers. Course content is aligned with the national competency standards for the Child Development Associate (CDA) Credential. It will cover the essentials of planning a safe environment, advancing children's development, building family partnerships, program operations, professional development, authentic assessment, and principles of developmentally appropriate learning. Attention will also be given to current research on brain development in young children, designing the learning environment, professional ethics, and cultural competence.

Tomorrow's Teachers H/DC (3003)

5 Credits (Full-Year), Grades 12

Prerequisite: Teacher Recommendation

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. As such, the program also provides these aspiring future teachers to also become community leaders with insights about teachers and schools that will enable them to be advocates of education. It includes four themes: (1) Experiencing Learning; (2) Experiencing the Profession; (3) Experiencing the Classroom; and, (4) Experiencing Education. A variety of hands-on activities and a strong emphasis on observations, and field experiences are provided. Emphasis is also placed on teaching critical shortage subject areas. *This course fulfills the 21st Century Requirement.*

GATEWAY

College Board's AP Capstone Program Description

AP Capstone equips students with the independent research, collaborative teamwork, and communication skills that are increasingly valued by colleges. AP Capstone is built on the foundation of two AP courses, AP Seminar and AP Research, and is designed to complement and enhance the in-depth, discipline-specific study provided through other AP courses. The AP Capstone curriculum fosters inquiry, research, collaboration, and writing skills through intensive investigation of topics from multiple perspectives.

Students who earn scores of 3 or higher in AP Seminar and AP Research and on four additional AP Exams of their choosing will receive the AP Capstone Diploma. This signifies their outstanding academic achievement and attainment of college-level academic and research skills.

Alternatively, students who earn scores of 3 or higher in AP Seminar and AP Research will receive the AP Seminar and Research Certificate signifying their attainment of college-level academic and research skills.

AP Seminar (9916)

5 Credits (Full-Year), Grade 10

Prerequisite: Gateway Admission

AP Seminar provides sustained practice of investigating issues from multiple perspectives and cultivates student writing abilities so they can craft, communicate, and defend evidence-based arguments. Students are empowered to collect and analyze information with accuracy and precision and are assessed through a team project and presentation, an individual written essay and presentation, and a written exam.

AP Research (9921)

5 Credits (Full-Year), Grade 11

Prerequisite: AP Seminar, Gateway Admission & Teacher Recommendation

In AP Research, students develop the skills and discipline necessary to conduct independent research to produce and

defend a scholarly academic thesis. This course allows students to explore deeply an academic topic, problem, or issue of individual interest and through this inquiry, students design, plan, and conduct a year-long mentored, research based investigation. The course culminates in an academic thesis paper of approximately 5,000 words and a presentation, performance, or exhibition with an oral defense.

ENGLISH LANGUAGE ARTS

English 9 College Prep (0401)

5 Credits (Full-Year), Grade 9

Prerequisite: None

The English 9 curriculum offers a wide range of quality texts that span the canonical to the contemporary. Through the study of a variety of text types and media, students build knowledge, analyze ideas, delineate arguments, and develop writing, collaboration, and communication skills. The lessons within each of the modules are linked explicitly to the New Jersey State Learning Standards, and provide a rigorous and pedagogically-sound approach for how the standards can come alive with thoughtful planning, adaptation, and instruction.

English 9 Honors (0400)

5 Credits (Full-Year), Grade 9

Prerequisite: Teacher Recommendation

English 9 Honors is a more rigorous version of English 9 CP (described above) designed to challenge the highly motivated student with advanced skills in reading and writing. Students are required to synthesize multiple texts that are longer or more complex and produce compositions with greater development. This course is designed to prepare students for AP level work.

English 10 College Prep (0423)

5 Credits (Full-Year), Grade 10

Prerequisite: None

English 10 offers a variety of rich texts that engage students in analysis of literary and journalistic nonfiction as well as poetry, drama, and fiction. Both classic and contemporary authors are represented in grade 10 units. Working with these texts, students build knowledge, analyze ideas, delineate arguments and develop writing, collaboration, and communication skills. The lessons within the units are linked explicitly to the New Jersey Student Learning Standards, and provide a rigorous and pedagogically-sound approach for how the standards can come alive with thoughtful planning, adaptation, and instruction.

English 10 Honors (0421)

5 Credits (Full-Year), Grade 10

Prerequisite: English 9 Honors or Teacher Recommendation

English 10 Honors is a more rigorous version of English 10 CP (described above) designed to challenge the highly motivated student with advanced skills in reading and writing. Students are required to synthesize multiple texts that are longer or more complex and produce compositions with greater development. This course is designed to prepare students for AP level work.

English 11 College Prep (0433)

5 Credits (Full-Year), Grade 11

Prerequisite: None

The English 11 curriculum continues to develop students' skills in analyzing complex literary and informational texts as students delve deeply into works by acclaimed authors and historical figures, which may include classics from William Shakespeare, Mary Shelley, and William Golding as well as contemporary literature from Mark Haddon and Emily St. John Mandel. Through the study of a variety of text types and media, students build knowledge, analyze ideas, delineate arguments, and develop writing, collaboration, and communication skills. The lessons within each unit provide a rigorous exploration of New Jersey Student Learning Standards.

English 11 Honors (0431)

5 Credits (Full-Year), Grade 11

Prerequisite: English 10 Honors or Teacher Recommendation

English 11 Honors is a more rigorous version of English 11 CP (described above) designed to challenge the highly motivated student with advanced skills in reading and writing. Students are required to synthesize multiple texts that are longer or more complex and produce compositions with greater development.

AP ENGLISH (Language and Composition) (0435)

5 Credits (Full-Year), Grade 11

Prerequisite: English 10 Honors and Teacher/AP Potential Recommendation

This AP English Language and Composition course will cultivate the reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical, and responsive readers of diverse texts, and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes. The reading and writing students do in the course should deepen and expand their understanding of how written language functions rhetorically: to communicate writers' intentions and elicit readers' responses in particular situations. The course cultivates the rhetorical understanding and use of written language by directing students' attention to writer/reader interactions in their reading and writing of various formal and informal genres (e.g., memos, letters, advertisements, political satires, personal narratives, scientific arguments, cultural critiques and research reports).

Reading and writing activities in the course also deepen students' knowledge and control of formal conventions of written language (e.g., vocabulary, diction, syntax, spelling, punctuation, paragraphing, and genre). The course helps students to understand the formal conventions of the English language in its many written and spoken dialects which are historically, culturally, and socially produced; that the use of these conventions may intentionally or unintentionally contribute to the effectiveness or ineffectiveness of a piece of writing in a particular rhetorical context; and that a particular set of language conventions defines Standard Written English, the preferred dialect for academic discourse. Summer reading is required. Students are expected to complete the AP English Language and Composition Exam.

AP ENGLISH (Literature and Composition) (0436)

5 Credits (Full-Year), Grade 12

Prerequisite: English 11 Honors or AP English Language & Composition and Teacher/AP Potential Recommendation

AP English Literature and Composition course engages students in the careful reading and critical analysis of literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works. Summer reading is required. Students are expected to complete the AP English Literature and Composition Exam.

The AP English Literature and Composition course aligns to an introductory college-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their

English 12 College Prep (0443)

5 Credits (Full-Year), Grade 12

Prerequisite: None

The English 12 curriculum offers a wide range of quality texts that engage students in analysis of autobiographical nonfiction, speeches, poetry, drama, and fiction. The grade 12 modules comprise classic and contemporary voices, which may include works by Jhumpa Lahiri, Marjane Satrapi and Elie Wiesel. Through the study of a variety of text types and media, students build knowledge, analyze ideas, delineate arguments, and develop writing, collaboration, and communication skills. The lessons within each of the units are linked explicitly to the New Jersey State Learning Standards and provide a rigorous and pedagogically-sound approach for how to bring the standards to life through thoughtful planning, adaption, and instruction.

Approaches to World Literature Honors/Dual Credit (0474)

5 Credits (Full-Year), Grade 12

Prerequisite: English 11 Honors or AP Language & Composition and Teacher Recommendation

This is a course designed for students who are capable of doing college level work in English and includes a presentation of representative modern writings in world literature with emphasis upon the historical, philosophical, and social influences from the turn of the century to the present. Expository/persuasive writing skills, as well as college essay writing, will be presented and reinforced during the year.

Port of Entry ESL - Listening / Speaking (0481)

10 Credits (Full-Year), Grades 9-12

Prerequisite: None

The Port of Entry (POE) ESL Listening/Speaking is required for non-English speaking students who have no proficiency in English or a low level of English proficiency. This course serves as the introductory course in the three level sequences of ESL courses. The emphasis of the course is the development of aural/oral language skills in order to use English to communicate for a variety of real purposes and audiences.

Port of Entry ESL - Reading /Writing (0481)

Prerequisite: None

This course is the companion course for POE ESL Listening/Speaking. It is designed to assist POE students in developing their knowledge of both reading and writing English language skills.

ESL Intermediate (0483)

10 Credits (Full-Year), Grades 9-12

Prerequisite: Successful completion of POE ESL

The Intermediate ESL course is designed to meet the needs of non-native speakers of English who already have some level of cognitive academic language proficiency in English.

ESL-Advanced (0484)

10 Credits (Full-Year), Grades 9-12

Prerequisite: Successful completion of Intermediate ESL

This course uses a literature based approach. It encourages the students to use acquired reading and writing strategies in all content areas. A variety of texts and materials are used.

ELA-9 Strategies (0477)

5 Credits (Full-Year), Grade 9

Prerequisite: None

This course is required for students who have been identified as needing remedial instruction in reading, writing, and test taking skills. The course will be geared to small group and individualized instruction. This course will emphasize on the skills needed to pass the state assessment graduation requirement.

ELA-10 Strategies (0478)

5 Credits (Full-Year), Grade 10

Prerequisite: None

This course is required for students who have been identified as needing remedial instruction in reading, writing, and test taking skills. The course will be geared to small group and individualized instruction. This course will emphasize on the skills needed to pass the state assessment graduation requirement.

ELA 11-Strategies (0479)

5 Credits (Full-Year), Grade 11

Prerequisite: None

This course is required for students who have been identified as needing remedial instruction in reading, writing, and test taking skills. The course will be geared to small group and individualized instruction. This course will emphasize on the skills needed to pass the state assessment graduation requirement.

Exploring Science Fiction (0476)
5 Credits (Full-Year), Grade 10-12
Prerequisite: None

In this course, students will examine the ways in which science fiction reflects contemporary culture. Works that have impacted our world today will be emphasized. In reading science fiction novels and short stories by authors from various time periods, students will sharpen their abilities to analyze, think critically, and to make both inter-textual and global connections. Students will use these skills in conducting research and in producing writing for various purposes and audiences. How are they different? We will also discuss cultural, political, and social contexts of these works, as well as, symbolism. Symbolism is sometimes done deliberately by the creator and other times the symbolism is something relative to our own lives and therefore inferred. We will examine the deliberate use of symbolism in multiple mediums (art, literature, film, music, etc.)

MATHEMATICS

Algebra I Concepts (0345)
5 Credits (Full-Year), Grade 9 -10
Prerequisites: Teacher Recommendation

This course reinforces key mathematical concepts, including set theory, operations on signed numbers, combining like terms, solving basic linear equations, performing basic operations on matrices, graphing, and probability and statistics, including data analysis. Students will engage in hands-on learning and problem-solving strategies to build confidence and deepen their understanding. After successful completion of this course, students will take Geometry.

Algebra I (0301)
5 Credits (Full-Year), Grades 9-10
Prerequisites: None

This course is a complete and comprehensive first-year Algebra course with emphasis on the algebraic structure of the number system. Topics include solving equations and inequalities, quadratic functions, absolute value, factoring, matrices, and graphing linear and quadratic functions.

Algebra I Honors (0316)
5 Credits (Full-Year), Grades 9-10
Prerequisites: Teacher Recommendation/Placement Test

This is an intensive and rigorous Algebra course designed for those students who excel in mathematics. Emphasis in this course is on the structure and properties of the real number system and the concept of function. Topics include solving linear equations and inequalities, graphing linear equations and functions, solving systems of equations, solving inequalities, factoring, Pythagorean Theorem, matrices, probability, and statistics.

Geometry Concepts (0322)
5 Credits (Full-Year), Grades 9-10
Prerequisites: Algebra I Concepts

This course focuses on fundamental geometric concepts, including congruence, similarity, perpendicularity, parallelism, polygons, circles, right triangles, and basic coordinate geometry. Students will also be introduced to geometric constructions and trigonometric ratios. Emphasis is placed on developing spatial reasoning and problem-solving skills. Proofs will be introduced at an introductory level using inductive and deductive reasoning.

Geometry (0323)
5 Credits (Full-Year), Grades 9-10
Prerequisites: Algebra I

This course covers plane and solid geometry topics. The curriculum includes congruence, similarity, perpendicularity, parallelism, inequalities, polygons, circles, constructions, trigonometric ratios, and coordinate geometry. Extensive work is done with right triangles and circles. Proofs are introduced using inductive and deductive reasoning.

Geometry Honors (0321)**5 Credits (Full-Year), Grades 9-10****Prerequisites: or Algebra I Honors (or Algebra I and Teacher Recommendation)**

This is a rigorous course in plane and solid geometry designed for the outstanding math student. The curriculum includes congruence, similarity, perpendicularity, parallelism, inequalities, polygons, circles, constructions, trigonometric ratios, and coordinate geometry. Content is studied with greater intensity and emphasis is put on proofs using inductive and deductive reasoning.

Algebra II (0333)**5 Credits (Full-Year), Grades 10-12****Prerequisite: Algebra I; Corequisite: Geometry**

This course covers the Algebra 2 topics recommended by the New Jersey Student Learning Standards. It expands upon concepts learned in Algebra 1 regarding linear and quadratic functions and introduces complex numbers and rational exponents. It includes an intensive study of several families of functions including polynomial, radical, rational, exponential, logarithmic, and trigonometric. Also included, is an introduction to Statistics and higher level probability.

Algebra II/Trig Honors (0331)**5 Credits (Full-Year), Grades 10-12****Prerequisite: Algebra I Honors; Co-requisite: Geometry Honors and Teacher Recommendation**

This course is designed for those students who have demonstrated exceptional ability and interest in mathematics. It is a rigorous, fast-paced course that covers the Algebra 2 topics recommended by the New Jersey Student Learning Standards. It expands upon concepts learned in Honors Algebra 1 regarding linear and quadratic functions and introduces complex numbers and rational exponents. It includes an intensive study of several families of functions including polynomial, radical, rational, exponential, logarithmic, and trigonometric. Also included, is an introduction to Statistics and higher level probability.

Pre-Calculus (0342)**5 Credits (Full-Year), Grades 11-12****Prerequisites: Algebra II**

This course expands on the concepts learned in Algebra 2, and prepares students with the prerequisite knowledge to successfully complete Calculus courses in college. This course clarifies the concept of a function and covers different types of functions and their uses in a variety of areas in mathematics. Operations, compositions, and inverses of functions are covered in depth. Special emphasis will be placed on trigonometric functions, including: graphing, solving trigonometric equations, trigonometric identities and laws.

Pre-Calculus Honors (0368)**5 Credits (Full-Year), Grades 11-12****Prerequisites: Algebra II/Trig Honors and Teacher Recommendation**

This course covers all the topics needed to completely prepare the student for the Advanced Placement Calculus course the following year. Students receive a strong foundation in the concept of functions including polynomials, trigonometric, logarithmic, and other special functions. Operations on functions, composition, limits, continuity, and inverses of functions are covered in depth. Differentiation and its applications are also covered. Students will often work in groups, learning through a variety of student centered lessons.

Introduction to College Mathematics (0370)**5 credits (Full-Year), Grade 12****Prerequisites: Algebra II**

The goal of this course is to prepare students for college-level mathematics. This course will strengthen students' understanding of key mathematical concepts from Algebra 1, Geometry, and Algebra 2. The curriculum also includes new topics, such as geometric solids, probability and statistics. Students will explore practical applications of mathematics through projects, practice, and discussions.

Mathematics Analysis (0371)

5 credits (Full-Year), Grade 12**Prerequisites: Algebra I, Geometry and Teacher Recommendation (Only)**

In this course, students will reinforce topics from previous math courses with the additional layers of modeling and application. Through projects and real-world problems, students will achieve a deeper understanding of mathematical concepts. Explorations in algebraic and geometric applications will provide a deeper foundation for advanced topics beyond high school.

Calculus Honors (0369)**5 Credits (Full-Year), Grade 11-12****Prerequisite: Pre-Calculus Honors or Pre-Calculus and Teacher Recommendation**

Honors Calculus brings together many of the concepts and understandings from algebra, geometry and trigonometry. The focus in the first half of the year will be on functions, limits and differential calculus with an emphasis on real world problems in the area of related rates, optimization and motion. The focus in the second half of the year will be on integral calculus with applications that include finding areas enclosed by the graphs of functions, finding the volumes of shapes defined by functions and calculating quantities by integrating derivative functions. This course is designed for those students not planning to take the AP Examination in Calculus.

AP Calculus (0350)**5 Credits (Full-Year), Grade 11-12****Prerequisite: Calculus Honors, Pre-Calculus Honors with a Teacher Recommendation, or AP Potential Recommendation**

This rigorous course is intended for students from the honors group who have a thorough knowledge of college preparatory mathematics including Algebra, Geometry, Trigonometry, and Elementary Functions. This course, comparable to a first semester of college, consists of a full academic year of work in calculus and related topics. The course is divided into two main sections: derivatives and integrals. The students who complete this course will be eligible to take the Advanced Placement Calculus AB Test. Class time after the AP Test will be devoted to an introduction of Calculus II topics.

Senior Mathematics Seminar I (0380)**2.5 Credits (Half-Year), Grade 12****Prerequisite: Recommendation Only**

This course is designed for seniors who need additional support to meet the state mathematics graduation requirement. Focused on strengthening fundamental algebra skills, it prepares students for success on New Jersey state testing requirements. Topics include operations with whole numbers, fractions, decimals, percentages, signed numbers, linear equations and inequalities, polynomials, and factoring. Emphasis is placed on targeted skill development, problem-solving strategies, and test-taking techniques to ensure students are equipped for their assessments. Successful completion of Senior Math Seminar I and II allows students to meet the County College of Morris mathematics entrance requirements, helping them transition smoothly to post-secondary education.

Senior Mathematics Seminar II (0381)**2.5 Credits (Half-Year), Grade 12****Prerequisite: Recommendation Only**

This course supports seniors in the mathematics portfolio process while also preparing them for college-level coursework. Students will apply algebraic concepts in problem-solving tasks aligned with the portfolio requirements and develop skills necessary for success in credit-level mathematics courses. Topics include systems of equations, rational expressions, radicals, quadratic equations, and mathematical reasoning. Successful completion of Senior Math Seminar I and II allows students to meet the County College of Morris mathematics entrance requirements, helping them transition smoothly to post-secondary education.

Statistics CP (0336)**5 Credits (Full-Year), Grade 11-12****Prerequisite: Algebra II**

Statistics CP focuses on developing students' ability to build mathematical models exploring randomness, measures of center and spread, and graphical representations of data. Students will analyze real world data associated with

business, economics, science, and other STEM fields by interpreting quantitative and qualitative data. Incorporating both descriptive and inferential statistics, students will be able to form conclusions about real world problems through experimental design.

AP Statistics (0337)

5 Credits (Full-Year); Grades 11-12

Prerequisites: Algebra II, Algebra II Honors, PreCalculus, PreCalculus Honors, or Statistics CP, and Teacher Recommendation, or AP Potential Recommendation

The purpose of this class is to provide a college level alternative for seniors. Statistics AP will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four broad conceptual themes to this course.

- Exploring data: describing patterns and departures from patterns
- Sampling and experimentation: planning and conducting a study
- Anticipating patterns: exploring random phenomena using probability and simulation
- Statistical inference: estimating population parameters and testing hypotheses

Mathematics Strategies: Algebra I (3005)

5 Credits (Full-Year), Grades 9-10

Prerequisite: Teacher Recommendation

This course is designed for students who need additional instruction on their fundamental math skills in algebra. The goal is for success in math at a high school level. Course content will review and reinforce key skills from previous mathematics courses.

Mathematics Strategies: Geometry (3006)

5 Credits (Full-Year), Grades 9-11

Prerequisite: Teacher Recommendation

This course is designed for students who need additional instruction on their fundamental math skills in geometry. The goal is for success in math at a high school level. Course content will review and reinforce key skills from previous mathematics courses.

Mathematics Strategies: Algebra II (3007)

5 Credits (Full-Year), Grades 10-12

Prerequisite: Teacher Recommendation

This course is designed for students who need additional instruction on their fundamental math skills in Algebra 2. The goal is for success in math at a high school level. Course content will review and reinforce key skills from previous mathematics courses.

Personal Finance (0710)

2.5 Credits (Half-Year), Grades 9-12

Prerequisite: None

In this half-year course, students will satisfy the graduation requirement for personal financial literacy; topics include Money Management, Borrowing, Earning Power, Investing, Financial Services and Insurance. **This Half-Year course will be taken with Sports Marketing.** This course fulfills the 2.5 credit requirement for Financial Literacy and 2.5/5 credit requirement for 21st Century.

PHYSICAL EDUCATION AND HEALTH

Physical Education 1 (6013)

3.75 Credits (3 Marking Periods), Grade 9

Prerequisite: None

Ninth Grade Physical Education classes will be grouped heterogeneously. Each class will receive instruction in basic skills and given drills to gain proficiency in the specific activity. These activities will primarily consist of team sports and are designed to gain proficiency, improve fitness, develop neuromuscular control, develop skills and knowledge that will have carry-over value, and instill cooperation and sportsmanship. The students are presented with opportunities for leadership, social growth, maturity, responsibility and self-esteem through a variety of activities. The students will have one unit in Success 101 that will focus on character education.

Health 1 (0612)

1.25 Credits (1 Marking Period), Grade 9

Prerequisite: None

Students in the ninth grade take health education for one marking period. Major units in the freshmen year include: appearance (skin, hair, dental), mental health (behavior, emotions, intelligence, mental mechanisms, neuroses, mental illness), alcohol, tobacco and drug abuse, human sexuality, and the value of exercises for wellness.

Physical Education 2 (6214)

3.75 Credits (3 Marking Periods), Grade 10

Prerequisite: None

Tenth Grade Physical Education classes will be grouped heterogeneously. Each class will review previously acquired skills and receive instruction and drills in advanced skills. This will be followed with the application of these skills in activities which will have emphasis on competition and strategy in team play. Instruction will emphasize a greater degree of proficiency, development and understanding of the specific activity. As in the previous year, fitness, neuromuscular control, carry-over value and cooperation and sportsmanship will be the objective.

Health 2 (Driver Education) (0622)

1.25 Credits (1 Marking Period), Grade 10

Prerequisite: None

This course consists of classroom instruction covering the skills, the attitudes, and responsibilities of the driver, and the importance of driving defensively. The Motor Vehicle rules of the State of New Jersey are studied and a State Examination concludes the classroom phase of Driver Education. Six clock hours of behind-the-wheel instruction can be secured from a private driving school.

Physical Education 3 (6033)

3.75 Credits (3 Marking Periods), Grade 11

Prerequisite: None

Eleventh Grade Physical Education classes will be heterogeneously grouped. Each class will review basic skills and stress team play. Individual and lifetime sports will be presented. Fitness and aerobic activities will be included.

Health 3 (0632)

1.25 Credits (1 Marking Period), Grade 11

Prerequisite: None

Students in the junior year also take health education for one marking period. Major units include: first aid, CPR, alcohol, tobacco and drug abuse, community health, nutrition and diets, leading causes of death (AIDS, cancers, heart diseases, suicide), and personal fitness programs. Students will learn about the importance of organ donations and the choices they have regarding this topic.

Physical Education 4 (6043)

3.75 Credits (3 Marking Periods), Grade 12

Prerequisite: None

The twelfth grade Physical Education classes will be heterogeneously grouped. Skills will be reviewed and students

will take part in recreational and team play. Individual and lifetime activities will be stressed. Physical fitness activities will also be included.

Health 4 (0642)

1.25 Credits (1 Marking Period), Grade 12

Prerequisite: None

This course is designed to assist the student in coming to terms with physical and emotional maturity. The course will emphasize human relations and responsible decision making along with biological information on the male and female reproductive systems. Subject matter will include dating, marriage and parenthood, in addition to birth control, pregnancy and childbirth. A review of sexually transmitted diseases will include information on the prevention of AIDS. Students will learn about the importance of organ donations and the choices they have regarding this topic. Health career choices will be introduced to all students so they can learn about the opportunities that are in the workplace.

Exercise Science and Nutrition Honors (0648)

5 Credits (Full Year), Grades 11-12

Prerequisite: Teacher Recommendation

This course will guide you through nutritional and exercise strategies for optimal wellness and a healthy lifestyle. It will apply the basic nutritional theories, principles, and concepts for healthier living. Course content includes energy systems, hydration, food and drink nutritional content, weight management and body composition.

SCIENCE

Biology and Earth and Space CP (with Laboratory) (2112)

5.75 Credits (Full-Year), Grade 9

Prerequisite: None

Concepts in the study of life are presented to students in this introductory biology lab based course. This course begins with an understanding of the scientific method and laboratory techniques. The course next explains the chemical components of life, and continues with a discussion of the cell and its processes. These broad biological concepts lead to the understanding of the dynamics of living things and their associated functions and structures at various levels of development. The laboratory protocols, cooperative learning techniques and enrichment activities are designed to enhance problem solving skills while exploring biological concepts.

Biology and Earth and Space Honors (with Laboratory) (2113)

5.75 Credits (Full-Year), Grades 9-10

Prerequisite: Teacher Recommendation

Students in Honors Biology will discover the concepts of biology at a more advanced level and with a higher workload than CP. Topics covered in the course will be similar, but Honors students will be expected to understand the ideas at a deeper level and be able to apply them. Students will discuss real-world problems and applications for their knowledge, creating experiments to test hypotheses generated from these discussions. This will be a lab course, and students will be expected to assess and critique the experiments.

AP Biology (2013)

5.75 Credits (Full-Year), Grades 10-12

Prerequisite: Biology and Teacher Recommendation, or AP Potential Recommendation

AP Biology places emphasis on the facts, principles, and processes of Biological Science that are usually presented in an introductory College Biology course. This lab based course provides opportunities for highly motivated and scientifically talented students to design and conduct individualized investigative studies and to extend their scientific interests and understandings. The curriculum to be followed is based on the guidelines of The College Board. Students successfully completing this course will be well prepared to take the Advanced Placement Biology examination, with the ability to gain college credit and/or placement.

Chemistry and Earth and Space Concepts (with Laboratory) (2117)

5.75 Credits (Full-Year), Grades 10-12

Prerequisite: Biology and Earth and Space Concepts and Teacher Recommendation

This course will follow the same outline as CP Chemistry including a deeper understanding of the periodic table and the formation of chemical bonds. The difference is that this course is designed for students who have traditionally struggled in math. The chemistry in this course will focus on deeper understanding of concepts, critical thinking, and drawing connections, rather than completing problems. Students will still be expected to design experiments, complete labs and analyze information. Upon completion, students will be able to bring concepts from this class to further studies in the sciences.

Chemistry and Earth and Space CP (with Laboratory) (2114)

5.75 Credits (Full-Year), Grades 10-12

Prerequisite: Biology and Algebra I

This course will include the fundamental concepts of inorganic chemistry with a strong emphasis on associated mathematical precepts. Laboratory skills and techniques will be companioned to integrate theoretical principles with hands-on activities. A core base of creative thinking skills will be utilized in the formulation of theory, in experimental design, and in problem solving. The students will be equipped with the abilities necessary to pursue further studies in the sciences.

Chemistry and Earth and Space Honors (with Laboratory) (2115)

5.75 Credits (Full-Year), Grades 10-12

Prerequisite: Biology Honors, Algebra I Honors (or Algebra I CP with Teacher Recommendation)

Co-requisite: Geometry and/or Algebra II and Teacher Recommendation

Students in this course will work on topics similar to CP, but with the added component of application. Honors-level chemistry expects students to analyze situations and apply the knowledge and skills that they have learned from the course. There will be a larger integration of mathematical concepts in solving problems, and problems will be more open-ended. Research, presentations, and discussions will also play a greater role in Honors versus CP expectations.

AP Chemistry (with Laboratory) (2015)

5.75 Credits (Full-Year), Grades 11-12

Prerequisite: Algebra II and Biology Honors (or AP) and Teacher Recommendation; Chemistry Honors and Teacher Recommendation; or AP Potential Recommendation

AP Chemistry is a chemical education lab based course designed to be the equivalent to a general Chemistry course taken the first year of college. The AP Chemistry course will focus on a model of instruction which promotes enduring, conceptual understandings of chemistry concepts and the content that supports them. This approach enables students to spend less time on factual recall and more time on inquiry-based learning. Students successfully completing this course will be well prepared to take the Advanced Placement Chemistry examination, with the ability to gain college credit and/or placement.

Physics and Earth and Space Concepts (with Laboratory) (2118)

5.75 Credits (Full-Year), Grades 11-12

Prerequisite: Chemistry and Earth and Space Concepts and Algebra I

Physics Concept provides a conceptually-based exposure to the fundamental principles and processes of the physical world. Topics include basic concepts of optics, waves, motion, forces, energy, electricity, magnetism, and the structure of matter and the universe. Students develop critical thinking and problem solving skills, which will be practiced during laboratory and other active learning activities.

Physics and Earth and Space CP (with Laboratory) (2116)

5.75 Credits (Full-Year), Grades 11-12

Prerequisite: Chemistry and Earth and Space CP; Corequisite: Algebra II

The physics lab based course provides a systematic introduction to the main principles of Physics and emphasizes the development of problem-solving ability. It includes topics in both classical and modern physics. Topics to be covered include: motion, energy, heat, optics, electricity and magnetism, conservation laws, relativity and other modern concepts. Relying on the student's proficiency in algebra and geometry, rigorous problem solving exercises will play

a large part in the course. Individual and group research projects will be assigned throughout the year.

Physics and Earth and Space Honors (with Laboratory) (2119)

5.75 Credits (Full-Year), Grades 11-12

Prerequisite: Chemistry and Earth and Space Honors, Algebra II, and Teacher Recommendation

Corequisite: Algebra II with Supervisor Approval

The physics honors lab based course provides a systematic introduction to the main principles of Physics and emphasizes the development of problem-solving ability. It includes topics in both classical and modern physics. Topics to be covered include: motion (linear and circular), gravitation, momentum, energy, conservation laws, simple harmonic motion, electricity and magnetism, optics, and other modern concepts. Relying on the student's proficiency in algebra and geometry, rigorous problem solving exercises will play a large part in the course. Individual and group research projects will be assigned throughout the year.

AP Physics (with Laboratory) (2017)

5.75 Credits (Full-Year), Grades 11-12

Prerequisite: Algebra II, Physics, and Teacher Recommendation; or AP Chemistry and Teacher Recommendation; or AP Potential Recommendation

The AP Physics lab based course provides a systematic introduction to the main principles of Physics and emphasizes the development of problem-solving ability. It includes topics in both classical and modern physics. Knowledge of algebra, geometry, and basic trigonometry is required for the course. Understanding of the basic principles involved and the ability to apply these principles to the solution of problems are the major goals of the course. The curriculum to be followed is based upon policies and outlines developed by the College Board. Students successfully completing the course will be well prepared to take the Advanced Placement Physics examination, with a view to gaining college credit and/or placement.

Environmental Science (2111)

2.5 Credits (Half-Year), Grades 10- 12

Prerequisites: Biology and Corequisite: Chemistry

Environmental Science reviews the diversity of life, how things interact with the environment, energy, water resources, pollution, feeding the world, and protecting biodiversity. The course will focus on enhancing students' critical thinking skills; specifically asking questions, making predictions, collecting and organizing information, making decisions, and drawing conclusions. This course will also provide students with an understanding of current day environmental issues and considerations, to help produce an environmentally conscious and sustainably educated student. This course is either linked with Human Growth and Development or World-Wide Medical Trends.

Forensic Science (2127)

2.5 Credits (Half-Year), Grades 10-12 or Academy Admission

Prerequisites: None

The Forensic Science course applies biology, chemistry, physical science, and technology to the analysis of criminal acts and law enforcement. Forensic Science is offered as a half-year elective course to students who have successfully completed biology and chemistry or have a comparable science background. Students will apply scientific methods and employ related science disciplines to consider aspects of evidence relevant to crime scenes. The course will involve presentations, discussions, projects, laboratory investigations, use of technology, and readings. In addition, the student will be exposed to career opportunities in the area of criminalistics and forensic science. This course is linked with Criminal Justice.

Human Growth and Development (2000)

2.5 Credits (Half-Year), Grades 10-12

Prerequisite: Biology

In this course, students will examine theories of human development and milestones of physical, socio-emotional, and cognitive development. Students will describe genetic and physical development of children and adolescents, understand the effects of a wide range of influences on development, examine the brain's development during adolescence, and consider how external factors affect physical and cognitive development. This course is linked with World Wide Medical Trends.

Worldwide Medical Trends (2125)
2.5 Credits (Half-Year), Grades 10-12
Prerequisite: Biology

This current events course will track the development of emerging medical issues throughout the world. Students will research and discuss the impact of real world disease, research, testing, and treatment issues. Ethics and scientific merit will play a major role in these discussions as students form and defend opinions on the behaviors of the medical professionals involved. Presentations, discussions, research, analysis, and debates will form the primary format of the class. This class is linked with Human Growth and Development.

Human Anatomy Honors/Dual Credit (2126)
5 Credits (Full-Year), Grades 11-12
Prerequisite: Biology, Chemistry, and Teacher Recommendation

The human anatomy course is an introduction to the study of the structure and functions of the human body. It is a lab science course designed for students who are interested in furthering their understanding of the human body. The course will enable students to survey the structure of the body on a systematic basis. Discussions of the systems and organs will incorporate the cellular and tissue levels of the body. This is a full year course and animal dissections are a significant part of the coursework

SERVICE/ STUDY

School Service (0556)
(Full-Year), Grade 12
Prerequisite: Application and Acceptance

Senior students have the opportunity to provide service during the school day at Boonton High School. Assignments for school service include the main office, Guidance suite, health clinic, library/media center, computer/technology labs, and the athletic department. Students perform a variety of tasks related to the assignment. These assignments are limited and competitive, therefore only students in good academic standing and those with good attendance will be considered. Each candidate must complete an application and be approved by the staff member he/she is assigned to. Students must have a 3.5 unweighted GPA to be considered.

AVID 9 Service (0561)
0 Credits (Full-Year), Grade 11-12
Prerequisite: AVID Coordinator selection only

Junior students have the opportunity to serve as cross age tutors in the AVID 9 elective.

AVID 10 Service (0562)
0 Credits (Full-Year), Grade 12
Prerequisite: AVID Coordinator selection only

Senior students have the opportunity to serve as cross age tutors in the AVID 10 elective.

AVID 11 Service (0563)
0 Credits (Full-Year), Grade 12
Prerequisite: AVID Coordinator selection only

Senior students have the opportunity to serve as cross age tutors in the AVID 11 elective.

Academic Study Hall (0560)
0 Credits, Full-Year
Guidance selection only

The Academic Study Hall provides students with a structured, scheduled academic environment that provides the opportunity to complete assignments. Qualification for this class will be based on strength of schedule, grade level

and recommendation of school counselors. Students are assigned to an instructor for the class period and are required to adhere to behavioral and academic expectations.

Academic Study Hall (0559)

0 Credits, Half-Year

Guidance selection only

The Academic Study Hall provides students with a structured, scheduled academic environment that provides the opportunity to complete assignments. This study hall will run for one semester during freshman year and will be partnered with a semester of Culture of Caring-9. Students are assigned to an instructor for the class period and are required to adhere to behavioral and academic expectations.

SOCIAL SCIENCES

American Government H/DC (0570)

5 Credits (Full-Year), Grades 11-12

Prerequisite: Teacher Recommendation

Students will examine our U.S. Constitution as the most legitimate source of political authority in our nation and how this document has been interpreted over time. Central to this discovery is the analysis of American political culture, and the purpose and function of our three federal branches. Along with this comes an analysis of American political sources both historical and contemporary with an emphasis on recognizing perspective and bias with these sources. In addition, students will look to our state and local governments to better understand how power is divided within our federalist system. Honors/Dual Credit American Government provides a college-level introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

Applied Psychology (0511)

2.5 Credits (Half-Year), Grades 10-12

Prerequisite: None

This semester elective offers students a chance to bring psychological concepts into their own lives. Assertiveness training, conflict resolution, frustration, ego defense mechanisms, peer pressure, and self-esteem are topics included in this course, as well as exploration into early childhood development, group psychology, criminology, health, gender, and abnormal psychology. This semester course is taken in conjunction with Principles of Sociology.

AP Psychology (0518)

5 Credits (Full-Year), Grades 11-12

Prerequisite: Teacher/AP Potential Recommendation

The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice. The aim of this course is to provide a learning experience equivalent to that obtained in most college introductory psychology courses.

This course covers the following topics: History and Approaches, Research Methods, Biological Bases of Behavior, Sensation and Perception, States of Consciousness, Learning, Cognition, Motivation and Emotion, Developmental Psychology, Personality, Testing and Individual Differences, Abnormal Psychology, Treatment of Psychological Disorders, and Social Psychology. This course prepares students to take the Advanced Placement Exam in Psychology.

Introduction to Sociology H/DC (0536)

2.5 Credits (Half-Year), Grades 10-12

Prerequisite: Teacher Recommendation

This half-year course explores major problems in contemporary society. Concepts such as teen issues, crime and

violence, education, the role of the family, race and ethnic relations, collective behavior and social movements are studied.

SOCIAL STUDIES

World History College Prep (0501)

5 Credits (Full-Year), Grade 9

Prerequisite: None

This course is aimed at providing students with the historical knowledge, skills and attitude that will enable them to make rational and informed decisions about economic, cultural, and political questions forcing our interdependent world. Students' critical thinking skills and analytical writing skills will be enhanced through assignments.

World History Honors (0500)

5 Credits (Full-Year), Grade 9

Prerequisite: Teacher Recommendation

This course is recommended for the highly motivated students who have a keen interest in history and who are considering taking future advanced history courses. Through the use of varied textual reading and research, students will be introduced to the key historical developments from the Age of Global Encounters to the Modern Age. Students' critical thinking skills and analytical writing skills will be enhanced through assignments.

AP World History (0575)

5 Credits (Full-Year), Grades 11-12

Prerequisite: Teacher/AP Potential Recommendation

AP World History is designed to be the equivalent of a two-semester introductory college or university world history course. In AP World History students investigate significant events, individuals, developments, and processes in six historical periods from approximately 8000 B.C.E. to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. This course prepares students to take the Advanced Placement World History Exam.

U.S. History I College Prep (0523)

5 Credits (Full-Year), Grade 10

Prerequisite: None

This course is a chronological study of America from the beginning of a new society to the end of World War I. United States History is presented as a multidimensional discipline with a focus on certain themes to promote understanding of the patterns of history and their connections to the present. Students' critical thinking skills and analytical writing skills will be enhanced through assignments.

U.S. History I Honors (0540)

5 Credits (Full-Year), Grades 9-10

Prerequisite: Teacher Recommendation

This course is recommended for the highly motivated students who have a keen interest in history and who are considering taking future advanced history courses. The class is designed to provide students with analytical skills and factual knowledge necessary to discuss critical trends, events, and movements in the United States. Students are required to do extensive reading and writing assignments. In addition, this course requires the completion of summer work.

AP U.S. History (0541)

5 Credits (Full-Year), Grades 10-11

Prerequisite: U.S. History I Honors and Teacher or AP Potential Recommendation

This Advanced Placement course is designed to give students grounding in the subject matter of the United States History and in major interpretive questions that derive from the study of selected themes. The objective of this course is to prepare students to succeed on the AP U.S. History examination.

U.S. History II College Prep (0533)

5 Credits (Full-Year), Grade 11

Prerequisite: U.S. History I

This course is a chronological study of America from the end of World War I to the present day. United States History is presented as a multidimensional discipline with focus on certain themes to promote understanding of the patterns of history and their connections to the present. Students' critical thinking skills and analytical writing skills will be enhanced through assignments.

U.S. History II Honors/Dual Credit (0534)

5 Credits (Full-Year), Grade 11

Prerequisite: Teacher Recommendation and US I Honors

This course is recommended for the highly motivated students who have a keen interest in history. Through the use of varied textual readings and research, students will be introduced to the key historical developments from the past and present. Students' critical thinking skills and analytical writing skills will be enhanced through a variety of analytical reading and writing assignments. This course surveys the domestic history and foreign policy of the United States in the 20th century. The nation's immigrant experience, political development, urbanization, economic progress and emergence as a superpower are among the topics explored.

AP Human Geography (0539)

5 Credits (Full-Year), Grades 10-12

Prerequisite: Teacher or AP Potential Recommendation

Explore how humans have understood, used, and changed the surface of Earth. Students will use the tools and thinking processes of geographers to examine patterns of human population, migration, and land use. This course will help students understand how cultural, economic, and political systems relate to the distribution of human activities, the nature of places, and people's interaction with their environment. Topics of study include geographic perspective, population, cultural patterns and processes, political organization of space, agricultural and rural land use, industrialization and economic development, and cities and urban land use. The objective of this course is to prepare students to succeed on the AP Human Geography examination.

STEM/TECHNOLOGY

STEM (0814)

5 Credits (Full-Year), Grades 9-12

Prerequisites: None

The goal of this course is to give students the skills they need to succeed in the STEM fields. These skills include, but are not limited to: mastery of group dynamics, problem identification, brainstorming, critical thinking, long-term planning, and reflection. Exposure to various aspects of technology will be accomplished through hands-on projects and research. This will allow students to identify areas of interest for future in-depth exploration. Topics examined during the course include communications technology, graphic design, web design, programming, gaming, robotics, environmental technology, biotechnology, biomedical manufacturing, construction, computer aided design (CAD), product design, and architecture. There will be a strong focus on the real world applications of each unit. This course fulfills the 21st Century Requirement.

Technology Design (0845)

5 Credits (Full-Year), Grades 9-12

Prerequisites: None

The purpose of this course is to explore modules of technological concepts in basic technology design with the next level of complexity and independent study project assignments. Also, this course is a study of alternate energy sources, nuclear energy, and related concepts. As with all technology department based courses, problem solving and design are an integral part of all aspects of the lab, to stimulate the student's ability to comprehend and cultivate the student's capacity to be self-reliant. This course fulfills the 21st Century Requirement.

Graphic Design (0890)

5 Credits (Full-Year), Grades 10-12

Prerequisites: STEM or Technology Design

In this course, students will learn how to critically evaluate website quality, learn how to create and maintain quality web pages, and learn to create and manipulate images through the use of Photoshop. The course progresses from introductory work on web design and image engineering towards a culminating project in which students design and develop a functional website including student-designed images. This course fulfills the 21st Century Requirement.

Robotics Programming (0888)

5 Credits (Full-Year), Grades 10-12

Prerequisites: AP Computer Science Principles and Teacher Recommendation

This course is aimed at students with little or no programming/ robotics experience. The goal is to provide students with an understanding of multiple programming languages as well as robot mechanisms and basic fabricating. Students will begin by building basic robots and learning essential programming to control them. As the year progresses, students will focus on designing and programming robots to solve real world problems. Specific program languages/ tools will be at the discretion of the teacher and will be based on the robot needs, but may include: C++, EV3, Java, MIT App Inventor, and Scratch. This course fulfills the 21st Century Requirement.

Robotics Programming Honors/Dual Credit (0887)

5 Credits (Full-Year), Grades 10-12

Prerequisite: AP Computer Science Principles and Teacher Recommendation

Students will explore the limitless potential of robotics and Artificial Intelligence (AI). Students will build a small robot and program it to perform specific tasks. They will gain hands-on experience working with basic robotic components including motors, sensors, microcontrollers and guidance systems. Additionally, they will learn AI coding techniques to ensure the robot is navigationally functional and can achieve the desired task.

Game Design (0889)

5 Credits (Full-Year), Grades 10-12

Prerequisite: AP Computer Science Principles or STEM and Teacher Recommendation

This course provides an introduction to the fundamental technologies behind computer games as well as hands-on experience in the design and development of a computer game. Students will learn the basics of programming to create their own games in Java, Flash, or other platforms at the instructor's discretion. This course fulfills the 21st Century Requirement.

Game Design Honors/Dual Credit (0896) (Offered 2026-2027)

5 Credits (Full-Year), Grades 11-12

Prerequisite: AP Computer Science Principles and Teacher Recommendation

Students will be introduced to game programming techniques, how to use a game library, programming input devices, 3D game programming, theory and design, and bitmap handling through programming. This course fulfills the 21st Century Requirement.

Product Design (0891)

5 Credits (Full-Year), Grades 10-12

Prerequisites: STEM or Technology Design

Product Design and Development is a project-based course that covers modern tools and methods for product design and development. The cornerstone is a project in which teams of management, engineering, and industrial design students conceive, design and prototype a physical product. Class sessions balance between learning about current

design and production devices and hands-on exercises to reinforce key ideas. Topics include identifying customer needs, concept generation, product architecture, industrial design, and design-for-manufacturing. This course fulfills the 21st Century Requirement.

Architectural Design Honors/Dual Credit (0892)

5 Credits (Full-Year), Grades 11-12

Prerequisites: STEM or Technology Design and Teacher Recommendation

This college level course introduces design studio instruction to students contemplating architecture as a field of study or career. Students will learn basic design drawing and model making as well as the importance of aesthetic elements and designing with real-world constraints. This course fulfills the 21st Century Requirement.

Engineering Design Honors/Dual Credit (0893) (Offered 2025-2026)

5 Credits (Full-Year), Grades 11-12

Prerequisites: STEM or Technology Design and Teacher Recommendation

This college level course introduces students to the practice of engineering design. Students will use hand tools, reverse engineering, the creative process, and the various career paths within engineering. This course is intended for any student interested in understanding the basics of engineering design and learning about engineering as a possible career. This course fulfills the 21st Century Requirement.

AP Computer Science Principles (0894)

5 Credits (Full-Year), Grades 9-12

Prerequisite: STEM or Gateway Admission and Teacher Recommendation or AP Potential Recommendation

AP Computer Science Principles is an introductory college-level computing course. Students cultivate their understanding of computer science through working with data, collaborating to solve problems, and developing computer programs as they explore concepts like creativity, abstraction, data and information, algorithms, programming, the internet, and the global impact of computing.

AP Computer Science A (0895)

5 Credits (Full-Year), Grades 11-12

Prerequisite: Robotics Programming or Game Design & Teacher Recommendation or AP Potential Recommendation

The AP Computer Science course is an introductory course in computer science. Because the design and implementation of computer programs to solve problems involve skills that are fundamental to the study of computer science, a large part of the course is built around the development of computer programs that correctly solve a given problem. These programs should be understandable, adaptable, and, when appropriate, reusable. At the same time, the design and implementation of computer programs is used as a context for introducing other important aspects of computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, the study of standard algorithms and typical applications, and the use of logic and formal methods. In addition, the responsible use of these systems is an integral part of the course.

Woodworking (0842)

5 Credits (Full-Year), Grades 9-12

Prerequisite: None

This course is the foundation and prerequisite for all other woodworking courses. Students will gain experience in shop safety and efficiency in using hand and power tools. The students will also gain the concept of problem solving, develop and apply measurement skills and calculate geometric shapes (perimeter, circumference and area). By using shop work drawings and bill of materials before construction, the student will gain a wide spectrum of work experience before, during, and after the construction of projects. The student will design and create projects of the quality and precision that is needed in construction-like settings. The student will be exposed to the use of woodworking machines, while developing a more intricate skill with hand and power tools. This course does fulfill the 21st Century requirement.

Carpentry (0832)

5 Credits (Full-Year), Grades 10-12**Prerequisite: Woodworking and Algebra I**

This course emphasizes the basic skills and knowledge needed in the carpentry trade. Students learn the use of machine and hand tools and the operation of all common woodworking machines. Students enrolled in the program also learn the basics of home construction, planning, design and cost estimates. Safety, mathematics and related drawing are also taught. Students develop a thorough understanding of the aspects of residential home construction and an understanding of basic architectural principles. Students will also learn about and use composite materials such as: MDF, particle board and cabinet plywood integrating these into their designs. This course does fulfill the 21st Century requirement.

Home Repair (0833) (Offered in 2026-2027)**2.5 Credits (Half-Year), Grades 11-12****Prerequisite: Woodworking**

This half-year course will provide students with the foundation and skill to perform simple home maintenance and repairs. Common home issues, including framing, finishing, plumbing, mechanical and electrical systems, will be explored as students not only get hands-on experience and practice, but also explore career paths related to the construction trades. This course is paired with a semester of Carpentry (0834). This course does fulfill the 21st Century requirement.

VISUAL & PERFORMING ARTS**Concert Band (0911)****5 Credits (Full-Year), Grades 9-12****Prerequisite: None**

This course covers the standard band literature appropriate for high school age musicians. It is a performance based class. Students participate in small group lessons, full ensemble rehearsals and several concerts throughout the school year. Emphasis is placed on tonal accuracy, rhythmic accuracy, phrasing, expression and other areas of musicality.

Choir (0912)**5 Credits (Full-Year), Grades 9-12****Prerequisite: None**

This course is open to all students who enjoy singing. Emphasis is placed upon music reading and tone production. The repertoire consists of various musical styles and voicing. The choir is a performing group. Students may take only one Choir course per year.

Concert Choir (0907)**5 Credits (Full-Year), Grades 9-12****Prerequisite: Teacher Recommendation or Audition**

This course is open to students with a high level of choral experience and musicianship. The Concert Choir repertoire is more difficult than that of the Choir. Emphasis is placed on a cappella singing, sight-reading skills, vocal production and explorations of varieties of choral singing. The Concert Choir performs with the Choir as well as at various school and outside functions. Students may take only one Choir course per year.

Guitar Lab (0949)**2.5 Credits (Half-Year), Grades 9-12****Prerequisite: None**

This course introduces and/or builds upon student's musical knowledge and skills through increasingly complex experiences in performing, composing, and improvising on guitar. Through musical experiences, students will demonstrate an understanding of the relationship of music to history, culture, technology, and other fields of knowledge.

Musical Theatre (9909)**2.5 Credits (Half-Year), Grades 9-12**

Prerequisite: None

This semester course will show students how music has developed and changed throughout time. Students will also examine how music has influenced the development of theatre production. A variety of musicals will be studied.

Music Theory Honors/Dual Credit – (0913)

5 Credits (Full-Year), Grades 10-12

Prerequisite: Teacher Recommendation

This course teaches the theory behind music composition. Students completing the course will be able to understand basic rules of part writing, choral structures and figured bass. This course may bear a variety of titles (Basic Musicianship, Elementary Theory, Harmony and Dictation, Structure of Music, etc.) The culminating activity will be an original composition by the students utilizing all the skills acquired.

Art 1 (0931)

5 Credits (Full-Year), Grades 9-12

Prerequisite: None

This introductory, full year art course serves as a prerequisite for advanced art courses and is designed to develop the student's art skills and creative thinking and enhance their appreciation for art. The course gives students a basic knowledge of the elements and principles of design. They will explore the impact of line, tone, color, space, texture, shapes and form in a variety of media. Areas of concentration include drawing, painting, lettering, perspective, watercolor, printmaking, collage, cartooning, and mixed media.

Art 2 (0929)

5 Credits (Full-Year), Grades 10-12

Prerequisite: Art 1

This course offers students opportunities to explore more involved projects in design with emphasis on drawing and painting skills. Students are encouraged to develop a personal art statement through a wide range of challenging projects. The studio work includes figure drawing, watercolors, pastels, acrylics, charcoal, collage, scratchboard original, mixed media, India ink, and oil pastels.

Art Major Honors/Dual Credit (0933)

5 Credits (Full-Year), Grades 11-12

Prerequisite: Art 2 and Teacher Recommendation

This course is for students committed to studying art and working within a rigorous art curriculum. Students are given the opportunity to continue the exploration of art and for the development of a personal artistic statement. Students will broaden their knowledge of art history and appreciation for multicultural art. Students will be challenged with a variety of media, and stress is placed on drawing from life. These objectives are designed to improve their skill and imagination.

General Painting Honors/Dual Credit (0935)

5 Credits (Full-Year), Grades 11-12

Prerequisite: Art Major and Teacher Recommendation

The Art Portfolio: 2D Design Honors/Dual Credit Course is tailored for students who are deeply committed to developing a personal expression evident in a body of related artworks that investigates a focus of personal interest. The students are required to complete three aspects of the portfolio course which includes Quality, Concentration and Breadth. In creating a viable portfolio, students will explore a variety of concepts, techniques and process options designed to help them demonstrate mastery of techniques, skills, problem solving and originality.

AP 2-D Art and Design (0999)

5 Credits (Full-Year), Grades 11-12

Prerequisite: Teacher/AP Potential Recommendation

This is a course developed to accommodate students who have demonstrated a strong interest and commitment to excel in computer-generated artwork. These students will complete an AP 2-D Art and Design portfolio with an emphasis on computer-generated media. All students will submit a portfolio at the end of the course that has followed the AP Art and Design Portfolio Submission requirements. This course will emphasize ongoing documented experimentation with design concepts, composition, and media that uses ‘Design Journals (DJs)’ (sketchbooks). Students will use these DJs daily, and they will be the core source of ideation and documentation of their artmaking. Artist growth, ideas, and final artwork will be investigated through the use of these books. Mastery of concepts, composition, execution, varied art mediums, mixed media, themes, concepts, subject matter, and content is an expected outcome. Students will understand that creating and developing art is a constant, ongoing activity that involves personal decision-making. Students will understand that in order for their artwork to achieve quality in concept, composition, and execution, it includes much risk-taking, experimenting, and research. Throughout the course, students are encouraged to work from their individual direct life observation of things in their world, their environment, and their dreams.

Photography (0940)

5 Credits (Full-Year), Grades 9-12

Prerequisite: None

This full year course concentrates on all aspects of basic black/white photography in the first semester. In the second semester the focus is on photography as an art form. The course is designed for students who wish to pursue photography as a hobby or vocation. Students will study the history of photography and focus on specific working photographers that have impacted society. Career possibilities in photography will be emphasized. **Ownership of a 35mm film camera is required.**

Advanced Photography/Portfolio (0941)

5 Credits (Full-Year), Grades 10-12

Prerequisite: Photography

This course is for students who are dedicated to studying photography and with photographic medium. Students will prepare an advanced photography portfolio which reflects a sense of excellence in skills and subject matter. In addition, students must work with the yearbook staff. **Ownership of a 35mm film camera is required.**

Photography Major (Digital) Honors/Dual Credit (0942)

5 Credits (Full-Year), Grades 11-12

Prerequisite: Advanced Photography and Teacher Recommendation

This course is designed for students dedicated to studying photography and working on a college level in the photographic medium. Students will explore the techniques and applications of acquiring, manipulating and outputting digitized photographic images utilizing Adobe Photoshop.

Yearbook (0944)

5 Credits (Full-Year), Grades 10-12

Prerequisite: None

This course offers students the opportunity to work in a hands-on environment on designing and creating all sections for the *Echoes* yearbook. The emphasis of this course is based on layout, copy-writing skills, creative theme ideas, minimal photography, and sales techniques. This course also offers design and production techniques from creating publications to product design.

Advanced Yearbook (0945)

5 Credits (Full-Year), Grades 11-12

Prerequisite: Yearbook and Teacher Recommendation

This course offers students the opportunity to explore advanced yearbook production through the opportunity to serve in editorial roles. Students will explore leadership opportunities as they work with teams to design layout, copy writing skills, creative theme ideas, photography, and sales techniques. Students will have the opportunity to explore financial aspects of yearbook production, including ad sales and fundraisers. Students interested in Advanced Yearbook must get permission from the advisor (Mrs. Oliveri) before signing up

WORLD LANGUAGE

French 1 (0211)

5 Credits (Full-Year), Grades 9-12

Prerequisite: None

The primary goal of this course is to help students develop linguistic proficiency and cultural sensitivity. By interweaving language and culture, this course will seek to broaden students' communication skills and deepen their appreciation of other cultures.

French 2 (0212)

5 Credits (Full-Year), Grades 9-12

Prerequisite: French 1

Coupled with a concentrated review and continued development of the basic language skills, this course will continue to develop linguistic proficiency and cultural sensitivity.

French 2 Honors (0214)

5 Credits (Full-Year), Grades 9-12

Prerequisite: French 1 and Teacher Recommendation

This accelerated course offers students the opportunity to continue developing basic language skills while offering a rigorous preparation for future linguistic study.

French 3 (0213)

5 Credits (Full-Year), Grades 10-12

Prerequisite: French 2

This level of French offers an integrated approach to language learning. Presentation and practice of functional expressions, vocabulary, and grammar structures are interwoven with cultural information and language learning tips to facilitate proficiency in French. In addition, this course requires the completion of summer work. ***All assignments are done in French.***

French 3 Honors (0216)

5 Credits (Full-Year), Grades 10-12

Prerequisite: French 2 and Teacher Recommendation

This accelerated course offers students the opportunity to continue developing language skills while offering a rigorous preparation for future linguistic study.

Intermediate French Honors/Dual Credit (0215)

5 Credits (Full-Year), Grades 11-12

Prerequisite: French 3 and Teacher Recommendation

This is a rigorous course designed for those students who have demonstrated mastery in French 1 through French 3 and are capable of working at a college level. In addition, this course requires the completion of summer work.

Spanish Conversation & Culture (0239)

5 Credits (Full-Year), Grades 9-12

Prerequisite: None

This course is designed to cover basic Spanish conversation while at the same time exposing the student to the cultures of the Spanish speaking countries. Key vocabulary and topics from both Spanish 1 and 2 are presented to the student via various methods of differentiated instruction. This course will fulfill the world language state requirement for graduation.

Spanish 1 (0241)

5 Credits (Full-Year), Grades 9-12

Prerequisite: None

The primary goal of this course is to help students develop linguistic proficiency and cultural sensitivity. By interweaving language with exposure to the diversity in the Spanish speaking world, this course will seek to broaden students' communication skills and deepen their appreciation of other cultures.

Spanish 2 (0242)

5 Credits (Full-Year), Grades 9-12

Prerequisite: Spanish 1

Coupled with a concentrated review and continued development of the basic language skills, this course will continue to develop linguistic proficiency with an awareness of the similarities and contrasts in the diverse lands where Spanish is spoken.

Spanish 2 Honors (0244)

5 Credits (Full-Year), Grades 9-12

Prerequisite: Spanish 1 and Teacher Recommendation

This accelerated course offers students the opportunity to continue developing basic language skills while offering a rigorous preparation for future linguistic study.

Spanish 3 (0243)

5 Credits (Full-Year), Grades 10-12

Prerequisite: Spanish 2

In Spanish 3, further vocabulary development and complex grammar are stressed, but more emphasis is placed on advanced reading, writing and conversational skills. Reading selections, either from modern sources or from Spanish literature will also be studied. In addition, this course requires the completion of summer work. ***All work is done in Spanish.***

Spanish 3 Honors (0245)

5 Credits (Full-Year), Grades 10-12

Prerequisite: Spanish 2 and Teacher Recommendation

This accelerated course offers students the opportunity to continue developing language skills while offering a rigorous preparation for future linguistic study.

Intermediate Spanish Honors/Dual Credit (0247)

5 Credits (Full-Year), Grades 11-12

Prerequisite: Spanish 3 and Teacher Recommendation

This is a rigorous course designed for those students who have demonstrated mastery in Spanish 1 through Spanish 3 and are capable of working at a college level. In addition, this course requires the completion of summer work.

NCAA INITIAL ELIGIBILITY REQUIREMENTS

ATTENTION: All prospective student-athletes who want to play NCAA Division I or II intercollegiate athletics must be certified by the NCAA Eligibility Center to be eligible to play.

It is each student's responsibility to check online for all regulations and for updates. The eligibility center may be accessed at www.eligibilitycenter.org. This comprehensive site provides all the information resources needed to initiate the application process. Specific information regarding eligibility may be accessed by contacting the eligibility center staff at (877) 262-1492.

To be certified by the Eligibility Center, a student must: Graduate from high school and an application for certification must be completed and submitted after the junior year. The NCAA Eligibility Center will issue a preliminary certification report when all materials have been submitted. Following graduation from high school, the NCAA Eligibility Center will review the final high school transcript and will make a final certification decision according to NCAA standards.

Division I

If you enroll in a Division I college, in order to qualify to participate in athletics or receive an athletic scholarship, you must graduate high school having completed these 16 core courses:

- 4 years of English
- 3 years of Mathematics (Algebra 1 or higher)
- 2 years of Natural or Physical Science (1 year of lab science if offered by your high school)
- 1 year of additional English, Mathematics, or Natural/Physical Science
- 2 years of social science
- 4 years of additional courses (from any area above, or Foreign Language or Comparative Religion/Philosophy)
- Earn a minimum required grade-point average of 2.300 in your 16 core courses
- Ten core courses are required before the beginning of your senior year in high school. Of the 10 core courses completed, seven must be in the area of English, math, or science; and
- Earn a combined SAT or ACT sum score that matches your core-course grade-point average and test score sliding scale

Division II

If you enroll in a Division II college between now and August 1, 2022, in order to qualify to participate in athletics or receive an athletic scholarship, you must graduate high school having completed these 16 core courses:

- 3 years of English
- 2 years of Mathematics (Algebra 1 or higher)
- 2 years of Natural/Physical Science (1 year of lab science if offered by your high school)
- 3 additional years of English, Mathematics, or Natural/Physical Science
- 2 years of Social Science
- 4 years of additional courses (from any area above, Foreign Language or Comparative Religion/Philosophy)
- Earn a 2.2 grade-point average or better in your core courses; and
- Earn a combined SAT or ACT sum score that matches your core-course grade-point average and test score sliding scale

For information, please go to the NCAA eligibility center at <https://web1.ncaa.org/eligibilitycenter/common/>. IF YOU HAVE QUESTIONS ABOUT NCAA ELIGIBILITY, PLEASE CALL THE NCAA ELIGIBILITY CENTER TOLL-FREE AT 877-262-1492. YOU MAY ALSO CALL THE NCAA AT 317-917-6222.

Please note: It is important that a student and his/her parents or guardians speak with the school counselor regarding NCAA eligibility requirements in regards to course selections and levels. It is also important for parents/guardians and students to access the NCAA eligibility center website to check for a list of approved courses taught at Boonton High School.

COURSE CHANGES

A change in the level of a specific subject may only be made after thorough discussion is held with the student, parent/guardian, counselor, teacher, department supervisor, and grade level Vice Principal. The level change must be approved by a parent/guardian and an administrator. There will be three time periods during which a student may change a level. Specific dates for each time period change will be posted at the start of the school year on the counseling web page and on the change request form. Each of these time periods carries with it different procedures for calculating the first marking period grade. The time periods and grade calculations are listed below:

Time Period	Changes Permitted	Transcript Notation	Grade Calculation for 1 st Marking Period
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1	Move Up/Drop in level	None	<p>Grade = 100% from new course;</p> <p>Moving up a level: Student will make up all missing work <i>including summer assignments</i> by: <i>TBD date</i></p> <p>Dropping down a level: Student will make up all missing work with the exception of summer assignments</p>
2	Drop in level only	None	Grade = 50% from original course and 50% from new course
3	Drop in level only	“WP” or “WF”	Grade = 100% from original course

The dates for the windows for course changes will be indicated online prior to the start of school in September on the Counseling webpage and will also be noted on the course change form. There will be strict adherence to course change windows. Please make sure that you keep the dates in mind when making course change decisions. During the first window, should a level change result in the loss of an elective course, a student will be permitted to replace his/her original elective selection based upon enrollment. No additional schedule changes will be made to accommodate that elective selection.

Please note: Seniors with schedule changes after their transcripts have been sent to colleges are responsible for notifying the colleges of the change and for having an updated transcript mailed to each college. Seniors should also keep in mind that mid-year grades and final transcripts are required by colleges and will reflect all course modifications.