



**BOONTON HIGH SCHOOL
COURSE GUIDE**

2018 - 2019

306 Lathrop Avenue ~ Boonton, NJ 07005

www.boontonschools.org

TABLE OF CONTENTS

Boonton School District Mission, Vision, and Goals	3
Principal’s Message	5
Course Core Proficiencies (NJDOE).....	6
Boonton High School Graduation Requirements.....	6
Gateway Academy Graduation Requirements.....	6
NJ Graduation Requirements & Competency Assessments.....	7
School Counseling	12
Child Study Team	13
Home Instruction	13
Morris County Vocational Technical School.....	14
NCAA Initial Eligibility Requirements.....	16
Grade Point Average (GPA).....	18
Rank.....	18
Honor Roll	19
Course Selection and Availability.....	21
Program Planning.....	21
Four-Year Program Summary Worksheet.....	23
Course Levels and Special Services.....	25
Schedule Changes.....	26
 <u>Courses of Study by Department</u>	
Business	30
Industrial Arts	34
Language Arts	35
Mathematics.....	41
Physical Education	46
Science.....	49
Social Studies.....	54
Technology.....	59
Visual and Performing Arts	62
World Languages.....	66
Gateway Academy	69
Course Summary Chart By Department.....	71

BOONTON PUBLIC SCHOOLS

BOONTON DISTRICT MISSION

The Boonton School District, in partnership with the community, will prepare all students to achieve the New Jersey Core Content Curriculum Standards at all grade levels and motivate each graduate to productively contribute to society by providing a rigorous, relevant, and comprehensive educational program.

BOONTON DISTRICT VISION

The Boonton School District will become a model of educational excellence where each of our schools will be the pride of the community and a resource for districts in the county, state, and beyond.

BOONTON DISTRICT CORE VALUES AND BELIEFS

- We believe that all students deserve to grow in a rigorous, relevant, and inclusive academic, co- and extra-curricular environment that assists each and every student to not only meet but also exceed his or her potential.
- We believe that all students will benefit not only from safe and secure facilities, but also from an environment focused on social, emotional and academic development targeted to increase motivation, self-esteem, tolerance, and respect.
- We believe that all students deserve to be educated in a community that understands, supports, and contributes to the District's initiatives, actions, and priorities.
- We believe that all students and staff will benefit from a rich technology-based teaching and learning environment, state-of-the-art equipment and systems, and the vast expertise of both Boonton personnel and community members.
- We believe that all students will have more opportunities and an enriched learning environment as a result of effective, creative, and proactive fiscal management and alternative funding sources.

BOONTON DISTRICT COMMITMENTS

- We are committed to the continuous achievements of all students.
- We are committed to providing a safe and supportive learning environment for all students.
- We are committed to meaningful involvement and communication between and among all stakeholders in the school community.
- We are committed to creating a technologically advanced system of education and district-wide operations.
- We are committed to finding and securing alternative funding opportunities and sources.

BOONTON HIGH SCHOOL MISSION

Boonton High School provides a safe and supportive environment that cultivates knowledge and character, fostering students' academic, social, and emotional needs in an ever-changing world.

BOONTON HIGH SCHOOL GOALS

- To challenge all individuals to achieve optimum development of their abilities and interests in a positive learning climate.
- To provide students with knowledge for the application of the latest technologies and innovations in vocational and academic areas.
- To stress the development of problem solving techniques and critical thinking skills.
- To maintain consistently high expectations that students will strive for a sense of excellence in their overall performance.
- To provide instruction in academics, athletics, and extra-curricular activities, which develops leaders.
- To emphasize the intrinsic worth of every individual with an awareness of the multi-cultural make-up of our student body.
- To develop students' individual goals, interests, and abilities to make the greatest possible contribution to the community.

- To adapt educational procedures and materials to serve individual learning styles, needs, and interests.
- To encourage students to develop self-esteem and respect for the rights and feelings of others.
- To develop in students an understanding of and an appreciation for our democratic society, an acceptance of the responsibility of citizenship and a sense of history.

BOONTON HIGH SCHOOL

306 Lathrop Avenue
Boonton, NJ 07005

Jason Klebez
Principal
jason.klebez@boontonschools.org

A World Class Education for Tomorrow's Leaders

February 2018

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 2018-2019 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, Guidance 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 Common Core State Standards or the New Jersey Core Curriculum Content Standards (CCCS) as curriculum components in designated content areas. 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 CCCS, completion of all course requirements listed below in Chart A, passing scores on the New Jersey Partnership for Assessment of Readiness for College and Careers (PARCC) tests or competency demonstrated through assessments listed on pages 8-10, 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

BOONTON HIGH SCHOOL GATEWAY ACADEMY GRADUATION REQUIREMENTS

Raising the level of expectations, we offer gifted and academically talented students the opportunity to be part of the Gateway Academy. Students are required to apply to and be accepted into the Gateway Academy program. Gateway Academy scholars must meet a minimum graduation requirement of 145 credits and complete all components of the Gateway Academy program. Qualified scholars participate in mentoring discussion groups, lunchbox lectures, and research projects. They are also required to take a combination of 8 advanced placement & dual credit classes, allowing them to earn college credits and graduate with 145 credits, as opposed to New Jersey's 120 credit requirement. Successful participation in the Gateway Academy will culminate in an independent senior honors thesis project which is a capstone project to graduate with Gateway Academy Scholar Honors. Gateway scholars must complete 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

Updated August 2017

On August 3, 2016, the State Board of Education approved updated state regulations for the high school graduation assessments requirements in both English language arts (ELA) and mathematics for the Classes of 2016 through 2021, and beyond. These new state regulations ([N.J.A.C. 6A:8-5.1](#)) became effective on September 6, 2016.

The Classes of 2018 and 2019 – Students graduating as members of the Classes of 2018 and 2019 can meet graduation assessment requirements through any of these **three pathways**:

- (1) Achieving passing scores on high-level PARCC assessments;
 - (2) Achieving certain scores on alternative assessments such as the SAT, ACT, or Accuplacer; or
 - (3) The submission by the district of a student portfolio through the Department's portfolio appeals process.
- (Special Education students whose Individualized Education Plans (IEPs) specify an alternative way to demonstrate proficiencies will continue to follow the graduation requirements set forth in their IEPs.)

The Class of 2020 – Students in the Class of 2020 can demonstrate graduation assessment proficiency through the same **three pathways** as those in the Classes of 2017 through 2019, provided that **students in the Class of 2020 take all PARCC assessments** associated with the high-school level courses for which they were eligible* and **receive valid scores**, as of the September 6, 2016 effective date the amendments were adopted by the State Board of Education.

The Class of 2021 and Beyond – Starting with the Class of 2021, students will only have **two pathways** to meet the high school graduation assessments requirements:

- (1) Pass the ELA 10 and Algebra 1 assessments; or
- (2) The submission by the district of a student portfolio through the Department's portfolio appeals process, **assuming the student has taken all PARCC assessments** associated with the high-school level courses for which they were eligible* and **receives valid scores**.

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

It is important to note that our students have always been able to meet graduation requirements through an alternative assessment or pathway to graduation throughout New Jersey's forty-year history with a statewide assessment program, and will continue to be able to do so.

In this document, you will find charts containing the list of assessment requirements in both ELA and mathematics for the high school graduation Classes of 2018 through 2021.

*Note: * "Eligible" is defined as a student who is enrolled in a high-school level course for which there is a PARCC test and receives a valid score. This includes all of these courses: Algebra I, Geometry, Algebra II, ELA 9, ELA 10, and ELA 11.*

ELA and Math Assessment Requirements for the Class of 2019

<u>Three Pathways Available</u>	<u>English Language Arts (ELA)</u>	<u>Mathematics</u>
<u>First Pathway</u> <i>Take and Pass a PARCC Test</i>	PARCC ELA Grade 9 \geq 750 (Level 4) or PARCC ELA Grade 10 \geq 750 (Level 4) or PARCC ELA Grade 11 \geq 725 (Level 3)	PARCC Algebra I \geq 750 (Level 4) or PARCC Geometry \geq 725 (Level 3) or PARCC Algebra II \geq 725 (Level 3)
<u>Second Pathway</u> <i>Take and Pass one of the Alternative Assessments</i>	SAT Critical Reading (taken before 3/1/16) or SAT Evidence-Based Reading and Writing Section (taken 3/1/16 or later) or SAT Reading Test (taken 3/1/16 or later) or ACT Reading or ACT PLAN Reading* or Accuplacer WritePlacer or Accuplacer WritePlacer ESL or PSAT10 Reading or PSAT/NMSQT Reading (taken before 10/1/15) or PSAT10 Reading or PSAT/NMSQT Reading (taken 10/1/15 or later) or ACT Aspire Reading* or ASVAB-AFQT Composite	SAT Math (taken before 3/1/16) or SAT Math Section (taken 3/1/16 or later) or SAT Math Test (taken 3/1/16 or later) or ACT or ACT PLAN* Math or Accuplacer Elementary Algebra or PSAT10 Math or PSAT/NMSQT Math (taken before 10/1/15) or PSAT10 Math or PSAT/NMSQT Math (taken 10/1/15 or later) or ACT Aspire Math* or ASVAB-AFQT Composite
<u>Third Pathway</u> <i>Portfolio Appeals</i>	Meet the criteria of the NJDOE Portfolio Appeal for ELA	Meet the criteria of the NJDOE Portfolio Appeal for Math

*Note: * Test is no longer administered but can be used for the graduating year.*

ELA and Math Assessment Requirements for the Class of 2020

<u>Three Pathways Available</u>	<u>English Language Arts (ELA)</u>	<u>Mathematics</u>
First Pathway Take and Pass a PARCC Test	PARCC ELA Grade 9 or PARCC ELA Grade 10 or PARCC ELA Grade 11	PARCC Algebra I*** or PARCC Geometry or PARCC Algebra II
Second Pathway Take and Pass one of the Alternative Assessments <i>This Pathway is only available if a student takes all PARCC tests associated with the high-school level courses for which they were eligible and receive valid scores*</i>	SAT Reading Test or ACT Reading or ACT PLAN Reading** or Accuplacer WritePlacer or Accuplacer WritePlacer ESL or PSAT10 Reading or PSAT/NMSQT Reading or ACT Aspire Reading** or ASVAB-AFQT Composite	SAT Math Test or ACT or ACT PLAN Math** or Accuplacer Elementary Algebra or PSAT10 Math or PSAT/NMSQT Math or ACT Aspire Math** or ASVAB-AFQT Composite
Third Pathway Portfolio Appeals <i>This Pathway is only available if a student takes all PARCC tests associated with the high-school level courses for which they were eligible and receive valid scores*</i>	Meet the criteria of the NJDOE Portfolio Appeal for ELA	Meet the criteria of the NJDOE Portfolio Appeal for Math

Note: * "Eligible" is defined as a student who is enrolled in a high-school level course for which there is a PARCC test and receives a valid score. This includes all of these courses: Algebra I, Geometry, Algebra II, ELA 9, ELA 10, and ELA 11. ** Test is no longer administered but can be used for the graduating year. *** The NJDOE is providing flexibility to meet the math assessment requirement for students in the Classes of 2020 and 2021 who completed an Algebra I course prior to the September 6, 2016 effective date of the new high school assessment regulations.

ELA and Math Assessment Requirements for the Class of 2021

<u>Two Pathways Available</u>	<u>English Language Arts (ELA)</u>	<u>Mathematics</u>
<u>First Pathway</u>	Take and Pass PARCC ELA Grade 10	Take and Pass PARCC Algebra I**
<p><i>This Pathway is only available if a student takes all PARCC tests associated with the high-school level courses for which they were eligible*</i></p>	Meet the criteria of the NJDOE Portfolio Appeal for ELA	Meet the criteria of the NJDOE Portfolio Appeal for Math

*Note: * "Eligible" is defined as a student who is enrolled in a high-school level course for which there is a PARCC test and receive a valid score. This includes all of these courses: Algebra I, Geometry, Algebra II, ELA 9, ELA 10, and ELA 11. ** The NJDOE is providing flexibility to meet the math assessment requirement for students in the Classes of 2020 and 2021 who completed an Algebra I course prior to the September 6, 2016 effective date of the new high school assessment regulations.*

COLLEGE ENTRANCE REQUIREMENTS

It is important to be aware that the requirements for college entrance may differ from the requirements for graduation from high school. The school counselors at Boonton High School are available to assist with the process. It is each student's responsibility to research information regarding the expectations of specific college choices.

All students must complete the requirements for graduation from Boonton High School. High school graduation requirements, at the minimum, may or may not prepare a student for entrance into a specific college. Generally, colleges expect students to have taken four years of English, three to four years of college-preparatory mathematics, three years of laboratory sciences, two to four years of a World Language and three years of social studies. College selectivity must be considered related to high school programming.

Students who have specific goals should concentrate on taking courses in specific areas of interest during their high school career. For example, a student who is planning a career in science should take the maximum number of science courses. A student who is interested in business should register for as many courses in the Business Department as possible during his/her high school career. Candidates interested in the medical field should focus on science and mathematics. A student who is interested in becoming a professional musician should be involved in performance music courses for each of his/her four years of high school and, similarly, someone with a strong interest in art should enroll in as many art courses as possible during high school.

When making decisions about courses, college requirements and expectations, and career goals, school counselors, teachers and parents have valuable insight into the process. Students are encouraged to take into account their advice in order to consider a broad view of perspectives regarding course scheduling. However, students are also encouraged to trust their own instincts, goals and interests.

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 advisement. 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.

CAREER PROGRAMS

There are a variety of programs available for students who plan to enter the world of work immediately after graduation or who plan to attend a career or vocational school. A student interested in these options should meet with his/her school counselor to investigate the vocational/technical programs available at the Morris County Vocational School and view the following program offerings outlined below.

MORRIS COUNTY VOCATIONAL SCHOOL

400 East Main Street ~ Denville, NJ 07834

Tel: 973-627-4600 ext. 277

www.mcvts.org

Share Time Programs:

Allied Health (located at Pequannock HS)

Auto Body Collision Repair

Auto Service Technology

Fundamentals of Building & Grounds Maintenance*

Carpentry

Computer Aided Design and Drafting (CADD)

Cosmetology

Cybersecurity and Information Protection (located at County College of Morris- CCM)

Electrical Trades

Engineering Design and Advanced Manufacturing (In partnership with County College of Morris) **

Fundamentals of Food Services*

Plumbing and Pipefitting

Fundamentals of Retail & Supermarket Careers*

Welding

*Fundamentals courses are special class programs designed for students who require a smaller class size.

** Honors/Dual Credit

Morris County Vocational School (Vo-Tech) provides students interested in specific vocational or technical fields with the opportunity to participate in specialized training for approximately three hours of vocational training a day. All academic subjects are taken at Boonton High School. Students are then transported to Vo-Tech for specialized vocational training.

Morris County Vocational School admits those students who can benefit from the programs offered. General school records, including attendance, conduct, transcripts, exploratory experiences, and related activities are carefully reviewed in determining whether or not a prospective student has the ability, aptitude, and interest needed to master the skills and knowledge required in the chosen training area.

Morris County Vocational School should be considered by those students who demonstrate a strong vocational interest. Many students attend college following an education at a vocational-technical high school.

Interested students must file an application to Vo-Tech through their school counselor. All arrangements are made by the Boonton High School Guidance Department.

Minimum Requirements:

1. Be a Morris County resident attending a public or parochial high school
2. Be enrolled as a 10th, 11th, or 12th grader
3. Be in good health as indicated by the school health record
4. Have an acceptable attendance and behavior record
5. File an application signed by the parent or guardian and a Boonton High School Counselor
6. Have a sincere interest in the chosen program
7. Possess sufficient motivation to succeed in the program
8. Have sufficient maturity to work in a shop setting.

Frequently Asked Share Time Program Questions

1. Is there tuition cost to attend a Share Time Program?

The tuition is paid by the student's home school district. There is no cost to the parents.

2. Transportation to Morris County Vocational School

The home school district is responsible to provide transportation to and from Morris County Vocational School. There is no cost to the parents for this service.

3. What are the school hours?

PM Session is from 12:10-2:50 PM

4. Who should apply to the Fundamentals Program?

Students with IEPs who are looking for a self-contained environment and smaller class sizes

5. If my child has an IEP or 504 Plan can they apply to any of the programs?

Yes, all Share Time programs accept students with IEPs.

6. What is the admission process?

- Parent/Guardian complete online application at www.mcvts.org, click the Admissions tab. Application deadline will be posted.
- Print and Sign Parent Release Form. Submit to High School Counselor.
- High School will submit the remainder of the online application.
- Applicants will be asked to attend a shadow/interview.
- All applicants will receive notification of acceptance, waiting list, or non-acceptance via email that was provided on the application.
- Home school districts will be notified of candidates who have accepted a seat at Morris County Vocational School.

7. What is the admissions process for Fundamentals programs?

- Case Manager completes online application at www.mcvts.org, click the Admissions tab, and choose Fundamentals. Application deadline will be posted.
- Print and Sign Parent Release Form. Submit to Parent/Guardian for signature.
- Applicants will be asked to attend a shadow/interview.
- All applicants will receive notification of acceptance, waiting list, or non-acceptance via email that was provided on the application.

Home school districts will be notified of candidates who have accepted a seat at Morris County Vocational School.

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, 2019, 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 2.000 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.

GRADE CALCULATION INFORMATION

WEIGHTED GRADE POINT AVERAGE

Numeric Grade	Letter Grade	CP	Honors/Dual Credit	AP
97 - 100	A+	4.33	4.83	5.33
93 - 96	A	4.00	4.50	5.00
90 - 92	A-	3.67	4.17	4.67
87 - 89	B+	3.33	3.83	4.33
83 - 86	B	3.00	3.50	4.00
80 - 82	B-	2.67	3.17	3.67
77 - 79	C+	2.33	2.83	3.33
73 - 76	C	2.00	2.50	3.00
70 - 72	C-	1.67	2.17	2.67
67 - 69	D+	1.33	1.33	1.33
63 - 66	D	1.00	1.00	1.00
60 - 62	D-	.67	.67	.67
0 - 59	F	0	0	0

Independent Study, pass/fail courses, and college level courses not taken at BHS are **not** included in the calculation of a student's grade point average. In addition, the following grades do not figure into the GPA calculation:

I – Incomplete
X – Exempt
NC – No Credit
(Attendance failure)

P – Passing
WF – Withdraw Failing
NG – No Grade

WP – Withdraw Passing
AU - Audited

CLASS RANK/GPA CALCULATION

- The Board of Education acknowledges the usefulness of a system of computing grade point average (GPA) and class ranking for secondary school graduates, both to inform pupils of their relative academic placement among their peers and to provide pupils, prospective employers, and institutions of higher learning with a predictive device so that each pupil is more likely to be placed in an environment conducive to success.
- The Board authorizes a system of class ranking by GPA for pupils in grades 9-12. Pupils will be ranked at the end of each semester. Students entering Boonton High School after six semesters will not be ranked. An explanation of why they have not been ranked will be included with their records.
- Class rank will be calculated by using all subjects. It will be based on the GPA that is calculated by multiplying the numerical value of each grade earned by the credit value of the course to determine the quality points for each course. Subsequently, the GPA is determined by dividing the total number of quality points by the total number of credits attempted. Weighted credit will be calculated for grades earned in honors and Advanced Placement courses.
- Any student wishing to take a summer school program must follow the procedures below in order to have their grade considered for calculation in GPA and class rank.
 1. Attain prior approval from building Principal
 2. Submit the final grade to the grade level Vice Principal upon completion of course

- Two or more pupils with identical computed GPA's will be given the same rank. The rank of the pupil who immediately follows a tied position will be determined by the total number of all preceding pupils and not by the rank of the immediately preceding pupil.
- GPA and class ranking for purposes of selecting the senior class valedictorian and salutatorian will be computed at the completion of the third marking period, senior year as will computation for distribution of hoods and cords. In the event of a tie, the GPA will be recalculated using the unweighted GPA. Students must not have lost credit and/or regained credit in any course in order to be eligible for valedictorian and salutatorian.
- A pupil's grade point average and rank in class will be entered on the pupil's record and will be subject to Board Policy on the release of pupil records.

HOW TO CALCULATE YOUR WEIGHTED GPA
(Example from a Sophomore schedule with final grade)

Course	Grade	GPA	Credits	Weighted Value (GPA x Credits)
American Lit CP	80	2.67	5	13.35
BIO CP/LAB	87	3.33	6	19.98
CHOIR	88	3.33	5	16.65
FRENCH 3	83	3	5	15
GEOMETRY H	89	3.83	5	19.15
HEALTH 2 (DE)	92	3.67	1.25	4.59
PE 2	81	2.67	3.75	10.01
US HIST I PRE-AP	86	3.5	5	17.5
TOTALS			36	116.23

Weighted Value (116.23) divided by the **Total Credits** (36)= GPA (3.23)

HONOR ROLL

Honor Roll is calculated at the end of each marking period (using the student's unweighted GPA):

- Principal's Honor Roll – 4.0 and above, student must receive all A's
- Honor Roll - 3.5 & above, student must receive all A's & B's

A student cannot be listed on the honor roll with a grade of C, D, F, I, WF, WP, NG, NC, or AU in any subject.

I – Incomplete WP – Withdraw Passing

WF – Withdraw Failing AU - Audited

NC – No Credit
(Attendance failure)

ABSENTEEISM AND LOSS OF CREDIT

Excessive absenteeism shall be defined as the accumulation of more than 16 class unexcused absences in a full year course, more than 12 unexcused class absences in a 3 marking period course, more than 8 unexcused class absences in a semester course, or more than 4 unexcused class absences in a marking period class.

This is not intended to give license as to the number of absences which can be taken. In all courses, the grade and credits earned shall reflect daily participation as well as other academic requirements. It is the intention of this policy that the permitted number of absences will provide for normal illnesses. It is conceivable that 16 absences (8 semesters, 12 three quarter, and 4 quarter) from a specific class could occur as a result of being absent all day, tardiness, unexcused early dismissal, and cutting class. Students who surpass the above totals will lose academic credit pending a review and evaluation by the Administration.

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).

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 10 elective choices with the understanding that they could receive their 10th 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 Realtime. 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.**

BOONTON HIGH SCHOOL
FOUR-YEAR COLLEGE PREPARATORY (CP)
SUMMARY WORKSHEET EXAMPLE

Courses are to be selected on the basis of an eight-course schedule.
 Students must register for 35 credits annually.

GRADE 9	CR	GRADE 10	CR
Physical Education/Health 9	5	Physical Education/Driver Ed.	5
English 1	5	American Literature	5
World History	5	U.S. History 1	5
Algebra 1	5	Geometry	5
Biology w/Lab	5	Chemistry w/ Lab	5
World Languages	5	World Languages (optional)	5
Visual & Performing Arts and/or	5	and/or	5
21 st Century Life and Careers or Career-Technical Education	5	21 st Century Life and Careers or Career-Technical Education	5
Lunch		Lunch	
GRADE 11	CR	GRADE 12	CR
Physical Education/Health 11	5	Physical Education/Health 12	5
British Literature	5	World Literature	5
U. S. History 2	5	Social Studies (optional)	5
Algebra II	5	Math (optional)	5
Physics or Environmental w/ Lab	5	Science (optional)	5
World Languages (optional)	5	World Languages (optional)	5
Financial Literacy	2.5	Elective	5
Elective	5	Elective	5
Lunch		Lunch	

Boonton High School - *FOUR-YEAR SUMMARY WORKSHEET*

COURSES	GRADE 9	GRADE 10	GRADE 11	GRADE 12
English				
Mathematics				
Science				
Social Studies				
World Language				
21st Cent. Life & Career Ed.				
Visual & Perform. Arts				
PE/Health				
Financial Literacy				
Total Credits				

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 extra-curricular 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 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 a program option for a student with an educational disability are made through the Individualized Education Plan (IEP). The IEP is a written plan developed at a meeting with parent(s), teacher(s), member(s) of the Child Study Team, and a 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.

- **Pull-out Replacement Instruction**
This program serves those students who require individualized, small group instruction. 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.
- **In-Class Resource Instruction**
This program serves those 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 regular class where general education and special education teachers collaboratively offer instruction.
- **General Education with a Shared Aide Instruction**
This program serves those students who are capable of meeting the objectives and expectations of specific academic courses, but need assistance from a shared aide who will provide assistance in order to maintain success in general academic courses.
- **Multiple Disabilities Program**
The Multiple Disabilities program is specifically targeted for special education students who will benefit from community work experiences. The emphasis of this program will be 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.

HONORS/CREDIT **COURSE OFFERING LIST**

LANGUAGE ARTS

0400 English 1 Honors
0421 American Literature Honors
0431 British Literature Honors
0474 Modern Classics H/DC

SCIENCE

2113 Biology Honors with Lab
2115 Chemistry Honors with Lab
0134 Human Anatomy Honors/Dual Credit

SOCIAL STUDIES

0500 World History Honors
0540 U.S. History 1 Pre-AP

TECHNOLOGY

0887 Robotics Honors
0893 Introduction to Engineering Design Honors/Dual Credit
0892 Introduction to Architecture Honors/Dual Credit

MATHEMATICS

0316 Algebra 1 Honors
0321 Geometry Honors
0331 Algebra 2 / Trig Honors
0368 Pre -Calculus Honors
0369 Calculus Honors

WORLD LANGUAGE

0216 French Honors/Dual Credit
0247 Spanish Honors/Dual Credit

BUSINESS

0700 Business Law Honors/Dual Credit
0704 Business Finance Honors/ Dual Credit

PHYSICAL EDUCATION

0648 Exercise Science and Nutrition Honors

VISUAL AND PERFORMING ARTS

0913 Music Theory Honors/Dual Credit
0933 Art Major Honors
0935 Art Portfolio: 2D Design Honors/Dual Credit
0941 Advanced Photography/Portfolio
0942 Photography Major (Digital) Honors/Dual Credit
0945 Advanced Yearbook

AP COURSE OFFERINGS

LANGUAGE ARTS

0435 AP English (English Language and Composition)
0436 AP English (Literature and Composition)

SCIENCE

1049 AP Environmental Science
2013 AP Biology
2015 AP Chemistry
2017 AP Physics

MATHEMATICS

0350 AP Calculus
0337 AP Statistics

SOCIAL STUDIES

0575 AP World History
0541 AP U.S. History 2
0570 AP U.S. Government & Politics
0518 AP Psychology

BUSINESS

7285 AP Macro Economics

TECHNOLOGY

0390 AP Computer Science

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.

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.

*****Any request for a schedule change (level and/or elective) must be made by:**

Friday, June 1, 2018

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 to process a level change, including a parent/guardian, counselor, teacher, dean, and department supervisor. All requests will be reviewed by the classroom teacher, department supervisor, counselor, and dean before rendering a decision.

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. **Please see the following chart for specific dates for the 2018-2019 school year.**

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
1	Move Up/Drop in level	None	Grade = 100% from new course; Moving up a level: Student will make up all missing work <i>including summer assignments by: TBD date</i> Dropping down a level: Student will make up all missing work with the exception of summer assignments
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.

COURSES OF STUDY BY DEPARTMENT

Course is not running in 2018-2019

Course is running in alternate years and running in 2018-2019

Course is running in alternate years and not running in 2018-2019

BUSINESS

Accounting (0711)
Prerequisite: None

5 Credits
Full Year
Grades 10-12

A must take course for students interested in majoring in business in college or owning their own business. Students will learn to analyze and maintain financial information and accounting records for a service business; maintain and reconcile a checking account for a business; use automated accounting and spreadsheet software to summarize accounting data and maintain records for the different types of accounting subsystems. This course fulfills the Financial Literacy or 21st Century Requirement.

AP Macroeconomics (0785)
Prerequisite: None

5 Credits
Full Year
Grades 10-12

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)
Prerequisite: None

5 Credits
Full Year
Grades 9-12

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 (0700)
Prerequisite: None
(Alternate Course-Offered in 2018-2019)

5 Credits
Full Year
Grades 11-12

This course focuses on the legal rights and responsibilities of citizenship. The student will become familiar with both business law and personal law. This course will provide an introduction to the law, business and personal contracts, and legal topics ranging from the U.S. Constitution to corporate expansion and regulation. This course fulfills the 21st Century Requirement.

Computer Applications (0701)
Prerequisite: None

5 Credits
Full Year
Grades 9-10

Students in this course receive in-depth training in the Microsoft Office (Word, Excel, PowerPoint, and Publisher) and Google Suite (Docs, Sheets, and Slides) by developing comprehensive projects that depict real-world functionality. Through hands-on experience, students will apply these software packages to analyze business problems and to practice simulations.

This full 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 multi-media presentation. Students will also utilize the Publisher program to produce personal and business-oriented products. This course fulfills the 21st Century requirement.

Personal Finance (0710)
Prerequisite: None

2.5 Credits
Semester
Grades 10-12

In this semester course, students will satisfy the graduation requirement for personal financial literacy; topics include Money Management, Borrowing, Earning Power, Investing, Financial Services and Insurance. This semester course will be taken with Introduction to Marketing. This course fulfills the Financial Literacy or 21st Century Requirement.

Introduction to Marketing (0731)
Prerequisite: None

2.5 Credits
Semester
Grades 10-12

In this semester course, students will explore the basic concepts of marketing through project-oriented lessons which will allow the student to practically apply the marketing concepts that they have learned. This semester course will be taken with Personal Finance. This course does not fulfill the 21st Century Requirement.

Marketing (0703)
Prerequisite: None

5 Credits
Full Year
Grades 10-12

Marketing focuses on finding a need, an audience and the using tools to analyze interest and deliver products to the marketplace. Students will focus on promoting, pricing, 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 fulfills the 21st Century Requirement.

Business Finance H/DC (0704)
Prerequisite: None
(Alternate Course-Not offered in 2018-2019)

5 credits
Full Year
Grades 11-12

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 Requirement.

BUSINESS

-----Full Year Courses (5 credits)-----

ACCOUNTING *
Grades 10-12

COMPUTER APPLICATIONS
Grade 9-10

BUSINESS ADMINISTRATION *
Grades 9-12

BUSINESS FINANCE HONORS DUAL CREDIT
Grades 11-12

AP MACRO ECONOMICS *
Grades 10-12

BUSINESS LAW HONORS DUAL CREDIT
Grades 11-12

MARKETING
Grades 10-12

-----Semester Courses (2.5 credits)-----

PERSONAL FINANCE *
Grades 10-12

INTRODUCTION TO MARKETING
Grades 10-12



← → Denotes course pairing

* Fulfills Financial Literacy requirement

INDUSTRIAL ARTS
(ALL COURSES FULFILL 21st CENTURY REQUIREMENT)

Woodworking (0842)
Prerequisite: None

5 Credits
Full Year
Grades 9-12

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 material 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.

Carpentry (0832)
Prerequisite: Algebra 1 and Woodworking

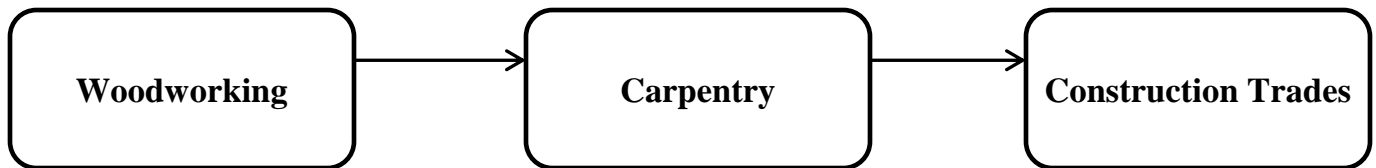
5 Credits
Full Year
Grades 10-12

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.

Construction Trades (8450)
Prerequisite: Woodworking and Teacher Recommendation
(Course Not Offered in 2018-2019)

10 Credits
Full Year
Grades 11-12

This is a double period course designed to introduce students to the safe practices, math skills, materials and tools related to the Construction Trade industry. This will include, but not be limited to the construction of a simple shed. In addition, basic residential wiring techniques/standards/tools and basic residential plumbing techniques/standards/tools will be covered. Students will also work on school service projects throughout the school year.



LANGUAGE ARTS

English 1 College Prep (0401)
Prerequisite: None

5 Credits
Full Year
Grade 9

Through the exploration of essential questions, students are introduced to the basic genres of literature, including poetry, the novel, the short story, non-fiction, and drama. Through a variety of writing tasks, students are introduced to the process of writing. Students learn how to read closely, analyze content, and cite evidence through a variety of reading and writing assignments; critical thinking is emphasized in assignments that are completed inside and outside the classroom. Students learn to engage in discussions and seminars as well as make presentations of research, interpretations, and arguments. Academic vocabulary and grammar study are embedded throughout the reading and writing process.

English 1 Honors (0400)
Prerequisite: Teacher Recommendation

5 Credits
Full Year
Grade 9

English 1 Honors is a more rigorous version of English 1 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.

Through the exploration of essential questions, students are introduced to the basic genres of literature, including poetry, the novel, the short story, non-fiction, and drama. Through a variety of writing tasks, students are introduced to the process of writing. Students learn how to read closely, analyze content, and cite evidence through a variety of reading and writing assignments; critical thinking is emphasized in assignments that are completed inside and outside the classroom. Students learn to engage in discussions and seminars as well as make presentations of research, interpretations, and arguments. Academic vocabulary and grammar study are embedded throughout the reading and writing process.

American Literature College Prep (0423)
Prerequisite: None

5 Credits
Full Year
Grade 10

Students will explore major movements and works of American literature through a consideration of essential questions. Students will continue to read closely, analyze content, and cite evidence. Students will continue to engage in discussions and seminars and to make presentations of research, interpretations, and arguments. Through assignments that are completed inside and outside the classroom, skills of critical thinking and inquiry continue to develop. Academic vocabulary and grammar study continues to be embedded throughout the reading and writing process.

American Literature Honors - 0421
Prerequisite: English 1 Honors or Teacher Recommendation

5 Credits
Full Year
Grade 10

American Literature Honors is a more rigorous version of American Literature 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.

Students will explore major movements and works of American literature through a consideration of essential questions. Students will continue to read closely, analyze content, and cite evidence. Students will continue to engage in discussions and seminars and to make presentations of research, interpretations, and arguments. Through

assignments that are completed inside and outside the classroom, skills of critical thinking and inquiry continue to develop. Academic vocabulary and grammar study continues to be embedded throughout the reading and writing process.

British Literature College Prep (0433)
Prerequisite: None

5 Credits
Full Year
Grade 11

Students will explore major movements and works of British literature through a consideration of essential questions. Students will continue to develop their critical thinking skills as they read closely, analyze content, and cite evidence. Students will engage in discussions and seminars on more challenging texts and to make presentations of research, interpretations, and arguments that offer more thorough development. Texts and tasks continue to ask students to develop their skills of inquiry and analysis; work is completed both inside and outside of class. Academic vocabulary and grammar study continues to be embedded throughout the reading and writing process.

British Literature Honors (0431)
Prerequisite: American Literature Honors or Teacher Recommendation

5 Credits
Full Year
Grade 11

British Literature Honors is a more rigorous version of British Literature 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.

Students will explore major movements and works of British literature through a consideration of essential questions. Students will continue to develop their critical thinking skills as they read closely, analyze content, and cite evidence. Students will engage in discussions and seminars on more challenging texts and to make presentations of research, interpretations, and arguments that offer more thorough development. Texts and tasks continue to ask students to develop their skills of inquiry and analysis; work is completed both inside and outside of class. Academic vocabulary and grammar study continues to be embedded throughout the reading and writing process.

AP ENGLISH (English Language and Composition) (0435)
Prerequisite: American Literature Honors & Teacher Recommendation

5 Credits
Full Year
Grade 11

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 (ENGLISH LITERATURE AND COMPOSITION)

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

**5 credits
Full Year
Grade 12**

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 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.

World Literature College Prep (0443)

Prerequisite: None

**5 Credits
Full Year
Grade 12**

This course introduces students to novels, short stories, and poetry produced by some of the world's best writers. The objective is to expose students to the multicultural aspects of modern day life experience, as well as the origins of some of literature's most enduring themes. Reinforcement of reading, writing, and critical thinking skills are central parts of this course. Time is allotted for college application essays and oral presentations.

Modern Classics Honors/Dual Credit (0474)

Prerequisite: British Literature Honors or AP Language & Composition & Teacher Recommendation

**5 Credits
Full Year
Grade 12**

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 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.

Senior Portfolio-ELA (0415)

Prerequisite: None

**Semester
Grade 12**

This course is designed for students who have not yet met their reading/writing graduation requirement.

Port of Entry ESL - Listening / Speaking (0481)

Prerequisite: None

**10 Credits
Full Year
Grades 9-12**

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)

Prerequisites: Successful completion of POE ESL, score of 15 on the TOR

**10 Credits
Full Year
Grades 9-12**

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)

Prerequisites: Successful completion of Intermediate ESL

**10 Credits
Full Year
Grades 9-12**

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.

Freshman Focus (LAL) (0402)

Prerequisites: None

**5 Credits
Full Year
Grade 9**

This full-year course is designed for those students who are not meeting their potential in standardized testing and for those students who may be identified as needing to focus on writing and language arts skills. Students will use the literature from Freshman English and additional sources as a basis for assignments in writing and interpreting literature. This class will be designed to help students improve skills to carry them into future classes. This course will be taken in conjunction with English 1.

ELA-9 Strategies (0477)

Prerequisites: None

**5 Credits
Full Year
Grade 9**

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)

Prerequisites: None

**5 Credits
Full Year
Grade 10**

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)

Prerequisites: None

**5 Credits
Full Year
Grade 11**

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.

Culture of Caring (0475)
Prerequisites: None

5 Credits
Full Year
Grades 10-12

This exciting full year, elective course will introduce students to techniques to help decrease stress and anxiety while improving the capacity for focused attention and compassion through contemplative meditation techniques and different forms of creative expression. The second part of the course will expand its focus by extending this compassionate, caring perspective to the school community.

Exploring Science Fiction (0476)
Prerequisites: None

5 Credits
Full Year
Grades 10-12

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.

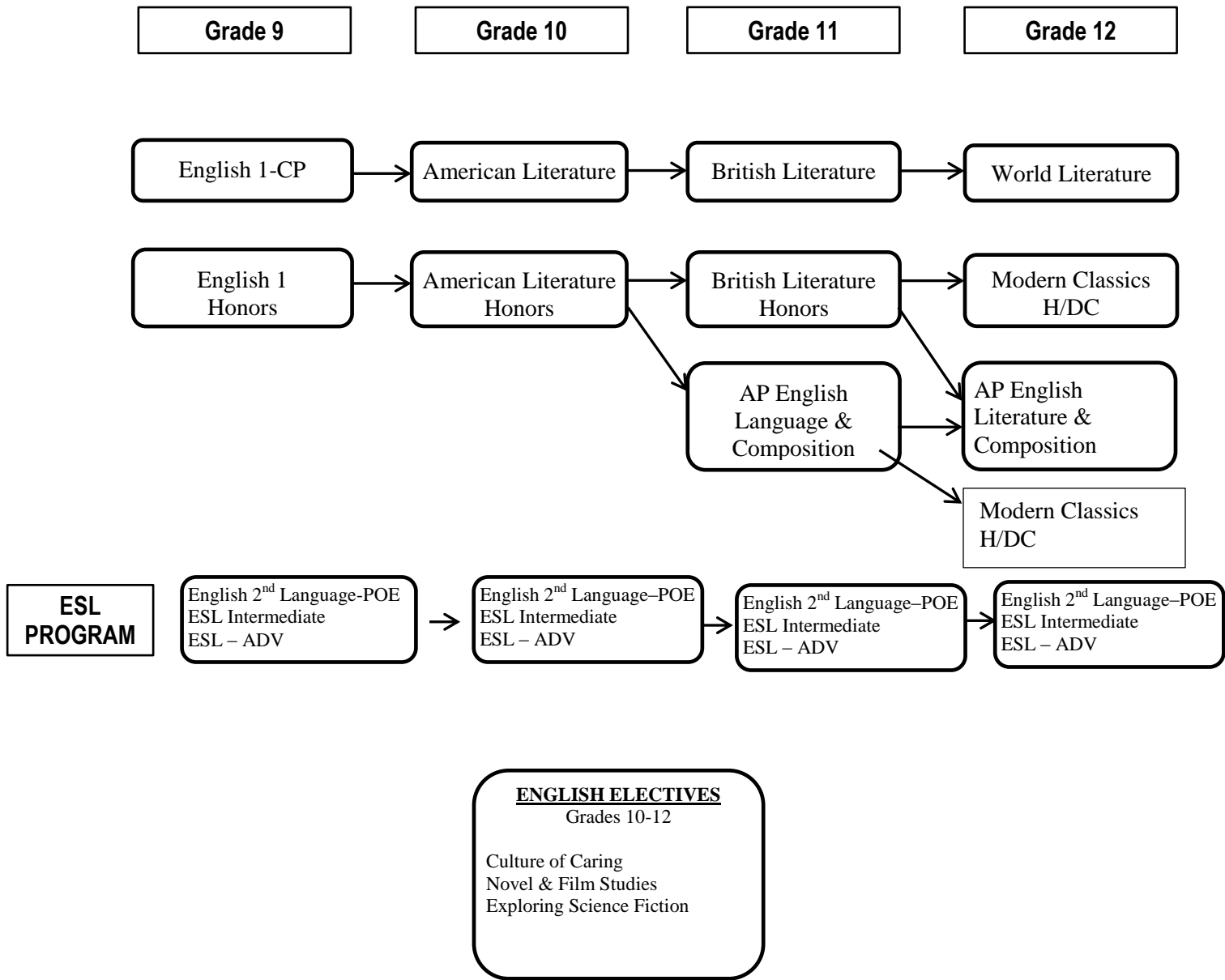
Novel & Film Studies (0451)
Prerequisites: None

5 Credits
Full Year
Grades 10-12

How many times have you seen a movie and said "I'm disappointed; I liked the book better," or, "That was even better than the book"? In this course we will explore the question of why this is so—"what makes a novel succeed as a novel, and a movie as a movie?" And what does that tell us about the differences between a novel and a movie; differences in intention, audience, etc.? Throughout the year we will read novels and watch the film versions of those novels. In our discussions we will focus on novel and film in relation to each other. How are they similar? 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.).

ENGLISH

4 Years of English are required for graduation. All students must complete the minimum requirement of English I-IV. ESL fulfills the English requirement as well.



MATHEMATICS

Pre-Algebra (0344)

Prerequisites: Teacher Recommendation

**5 Credits
Full Year
Grade 9**

This course is designed for those grade 9 students who are not ready to be introduced to a traditional Algebra 1 course. Topics will include set theory, operations on signed numbers, combining like terms, solving basic linear equations, performing basic operations on matrices, graphing, probability and statistics (including data analysis). Students will also learn the functions of the TI-84 Plus. After successful completion of this introductory course, students will take Algebra 1.

Algebra 1 (0301)

Prerequisites: None

**5 Credits
Full Year
Grades 9-10**

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 1 Honors (0316)

Prerequisites: Teacher Recommendation/Placement Test

**5 Credits
Full Year
Grades 9-10**

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 (0323)

Prerequisites: Algebra 1

**5 Credits
Full Year
Grades 9-10**

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)

Prerequisites: Algebra 1 or Algebra 1 Honors, Teacher Recommendation

**5 Credits
Full Year
Grades 9-10**

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 2 (0333)
Prerequisites: Algebra 1; Co-requisite: Geometry

5 Credits
Full Year
Grades 11-12

This course covers the Algebra 2 topics recommended by the Common Core 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 2/Trig Honors – 0331
Prerequisites: Algebra 1 Honors; Co-requisite: Geometry Honors

5 Credits
Full Year
Grades 11-12

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 Common Core 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)
Prerequisites: Algebra 2

5 Credits
Full Year
Grades 11-12

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)
Prerequisites: Algebra 2/Trig Honors

5 credits
Full Year
Grades 11-12

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 Math (0370)
Prerequisites: Algebra 1, Geometry, & Algebra 2

5 credits
Full Year
Grade 12

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.

Math Analysis & Applications (0371)
Prerequisites: Algebra 1, Geometry

5 credits
Full Year
Grade 12

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)
Prerequisite: Pre-calculus or EF Calculus Honors, Teacher Recommendation

5 Credits
Full Year
Grade 12

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)
Prerequisite: EF Calculus Honors, Teacher Recommendation

5 Credits
Full Year
Grade 12

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.

AP Statistics (0337)
Prerequisites: Algebra 1, Geometry, Algebra 2 & Teacher Recommendation

5 Credits
Full Year
Grades 11-12

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

AP Computer Science (0390)
Prerequisite: Any Technology Course

5 Credits
Full Year
Grades 11-12

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.

Freshman Focus (0345)
Prerequisite: None

5 Credits
Full Year
Grade 9

This course is designed to reinforce math fluency skills for freshmen. Students will reinforce the skills learned in their regularly scheduled mathematics class. The course will revolve around the needs of the students and serve to provide additional instruction to deepen the understanding of the skills addressed in their regular mathematics class. Students will be given the opportunity to practice specific skills and developmental skills necessary for success in mathematics.

Algebra 1 Strategies (3005)
Prerequisite: None

5 Credits
Full Year
Grades 9-10

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.

Geometry Strategies (3006)
Prerequisite: Algebra 1 Strategies

5 Credits
Full Year
Grades 9-11

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.

Algebra 2 Strategies (3007)
Prerequisite: Geometry Strategies

5 Credits
Full Year
Grades 10-12

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.

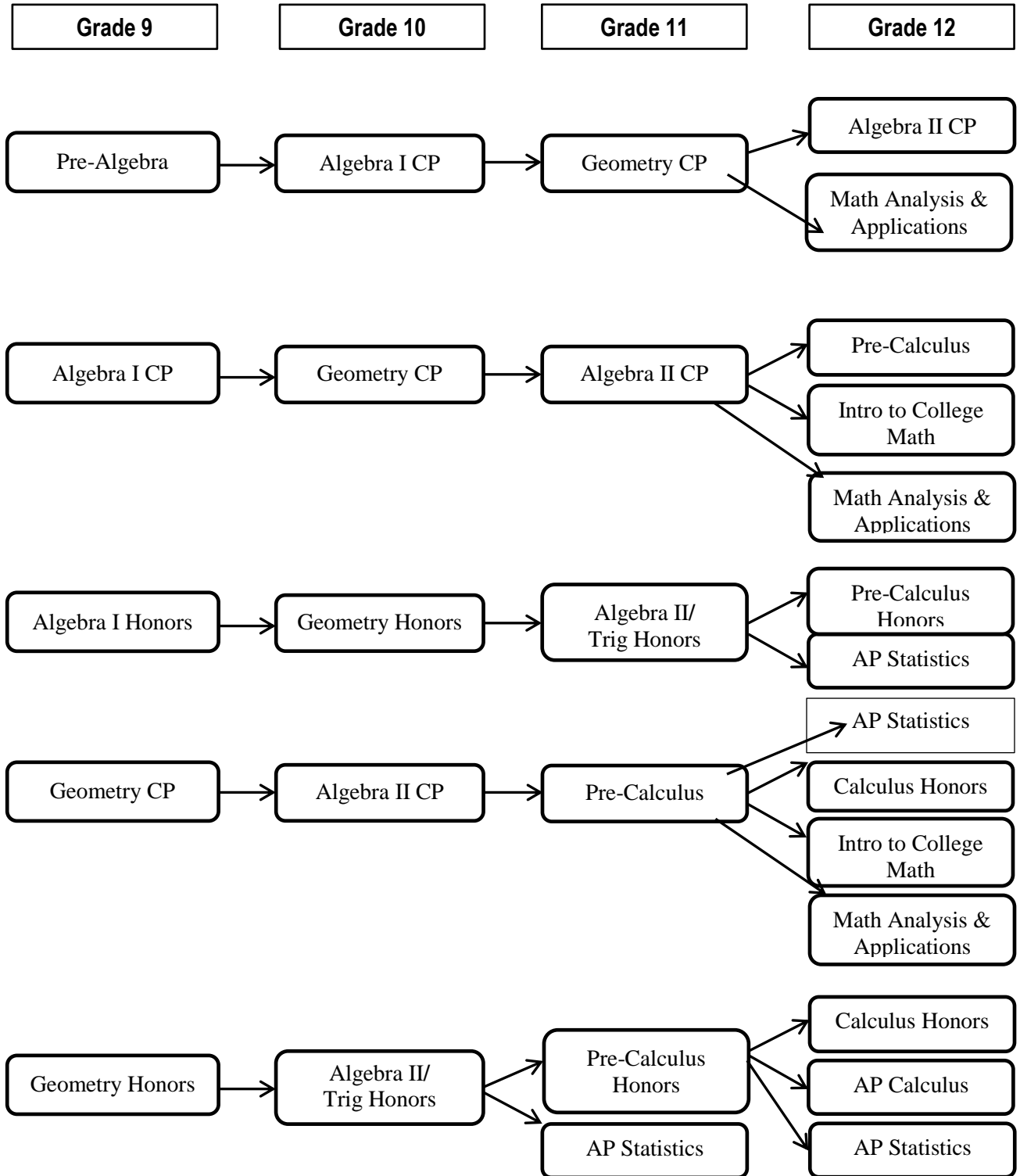
Senior Portfolio – Math (3029)
Prerequisite: None

Semester
Grade 12

This course is designed for students who have not yet met their Math graduation requirement through assessment.

MATH

3 Years of Math are required for graduation. All courses after the third year are considered electives but **MUST** be recommended by your current teacher. All students must take and pass a minimum of Algebra I, Geometry, and a third year of Math that builds on Algebra I and Geometry.



PHYSICAL EDUCATION AND HEALTH

Physical Education 1 (6013)
Prerequisite: None

3.75 Credits
3 Marking Periods
Grade 9

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)
Prerequisite: None

1.25 Credits
Marking Period
Grade 9

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)
Prerequisite: None

3.75 Credits
3 Marking Periods
Grade 10

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, an understanding of the specific activity. As in the previous year, fitness, neuromuscular control, carry-over value and cooperation and sportsmanship will be the objective. Students are presented with opportunities for leadership, social growth, maturity, responsibility, and self-esteem through Project Adventure Activities.

Health 2 (Driver Education) (0622)
Prerequisite: None

1.25 Credits
Marking Period
Grade 10

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)
Prerequisite: None

3.75 Credits
3 Marking Periods
Grade 11

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. Students are presented with opportunities for leadership, social growth, maturity, responsibilities, and self-esteem through Project Adventure Activities.

Health 3 (0632)
Prerequisite: None

1.25 Credits
Marking Period
Grade 11

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)
Prerequisite: None

3.75 Credits
3 Marking Periods
Grade 12

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. Students are presented with opportunities for leadership, social growth, maturity, responsibility, and self-esteem through Project Adventure Activities.

Health 4 (0642)
Prerequisite: None

1.25 Credits
Marking Period
Grade 12

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)
Prerequisite: Teacher Recommendation

5 Credits
Full Year
Grades 11-12

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.

PHYSICAL EDUCATION AND HEALTH

Suggested Curriculum Sequence

Grade 9

Grade 10

Grade 11

Grade 12

PHYSICAL EDUCATION

Physical Education
9

Physical Education
10

Physical Education
11

Physical Education
12

HEALTH

Health
9

Health
10
Driver Education

Health
11

Health
12

ELECTIVES

Exercise Science
&
Nutrition H
Grades: 11-12

SCIENCE

(ALL AP SCIENCE CLASSES WILL BE ATTACHED TO A STUDY PERIOD)

Environmental Science CP with lab (2111)

Prerequisite: None

(Not offered in 2018-2019)

**5 Credits
Full Year
Grades 11-12**

Environmental Science CP is designed to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. The laboratory protocols, cooperative learning techniques and enrichment activities are designed to enhance problem solving skills while exploring environmental concepts.

Biology CP with lab (2112)

Prerequisite: None

**5 Credits
Full Year
Grade 9**

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 Honors with lab (2113)

Prerequisite: Teacher Recommendation

(Attached to a Study Hall)

**6 Credits
Full Year
Grades 9-10**

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)

Prerequisite: Biology (any), Teacher Recommendation

**7 Credits
Full Year
Grades 10-12**

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 Concepts with lab (2117)

Prerequisite: Biology (any)

**5 Credits
Full Year
Grades 10-12**

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 CP with lab (2114)

Prerequisite: Biology (any), Algebra 1 (any)

**5 Credits
Full Year
Grades 10-12**

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 Honors with lab (2115)

Prerequisite: Biology (any), Algebra 1 (any); Co-requisite: Algebra 2 (any)

**5 Credits
Full Year
Grades 10-12**

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 of 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 (2015)

Prerequisite: Chemistry (Any), Teacher Recommendation

**7 Credits
Full Year
Grades 11-12**

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 CP with lab (2116)

Prerequisite: Algebra 2 (any)

**5 Credits
Full Year
Grades 11-12**

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 Concept with Lab (2118)

Prerequisite: Algebra 1 (any)

**5 Credits
Full Year
Grades 11-12**

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.

AP Physics – (2017)
Prerequisite: Algebra 2 (any), Teacher Recommendation

7 Credits
Full Year
Grades 11-12

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.

AP Environmental Science (2111)
Prerequisite: Biology (any), Chemistry (any), Teacher Recommendation
(Not offered in 2018-2019)

7 Credits
Full Year
Grades 11-12

The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science. This is a rigorous science course that stresses scientific principles and analysis and includes a laboratory component. 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 Environmental Science examination, with the ability to gain college credit and/or placement.

Forensic Science (2127)
Prerequisite: Biology (any); Co-requisite: Chemistry (any)

2.5 Credits
Semester
Grades 10-12

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.

Human Growth and Development (2000)
Prerequisite: Biology (any)
(Not offered in 2018-2019)

2.5 Credits
Semester
Grades 11-12

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.

World Wide Medical Trends (2125)
Prerequisite: Biology (any)
(Not offered in 2018-2019)

2.5 Credits
Semester
Grades 11-12

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.

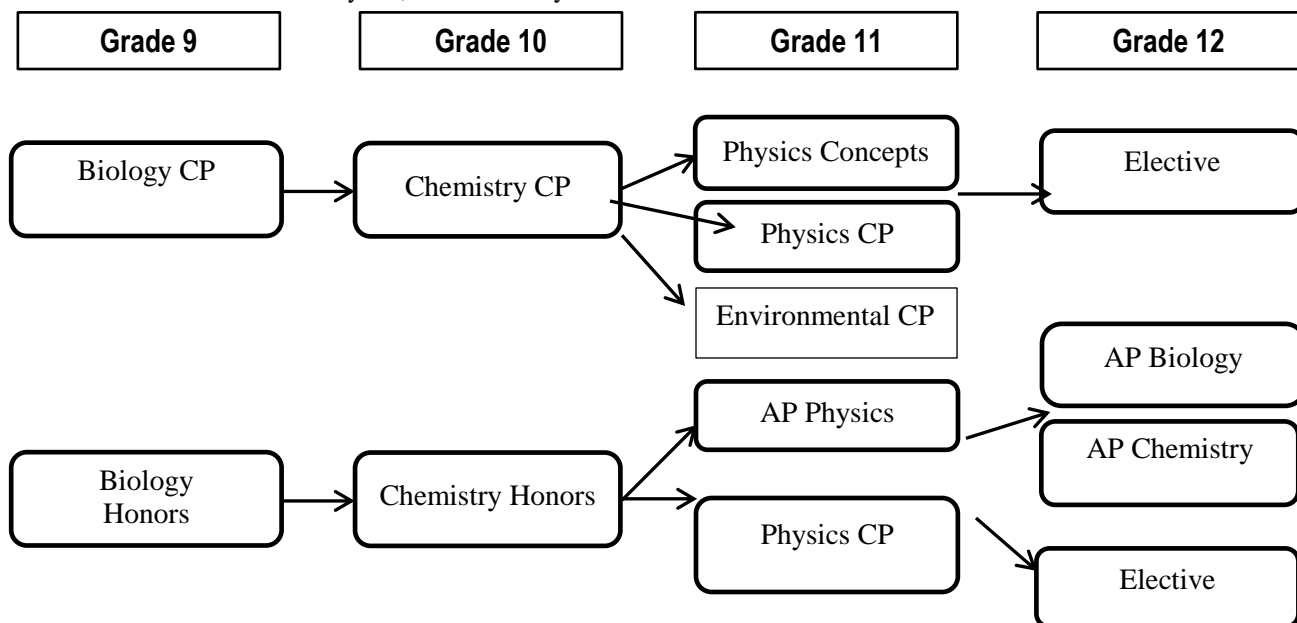
Human Anatomy Honors/Dual Credit (2126)
Prerequisite: Biology (any) & Teacher Recommendation

5 Credits
Full Year
Grades 11-12

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.

SCIENCE

3 Years of a Lab Science are required for graduation. All students must take and pass Biology, Chemistry, or Physics, AND a third year of a Lab Science.



-----Full Year Courses (5 credits)-----

HUMAN ANATOMY
 Honors/Dual Credit
 (Grades 10-12)
 Pre-req: Biology (any) & Teacher Recommendation

WORLDWIDE MED TRENDS
2.5 credits
HUMAN GROWTH & DEVELOPMENT
2.5 credits
 (Grades 10-12)
 Pre-req: Biology (any)

-----Semester Courses (2.5 credits)-----

FORENSIC SCIENCE
 Grades 11-12
 Pre-req: Biology
 Co-req: Chemistry

CRIMINAL JUSTICE
 Grades 11-12

← → Denotes course pairing

SERVICE

School Service (0556)
Guidance selection only

Full Year
Grade 12

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.

SOCIAL STUDIES

World History College Prep (0501)
Prerequisite: None

5 Credits
Full Year
Grade 9

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)
Prerequisite: Teacher Recommendation

5 Credits
Full Year
Grade 9

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.

U.S. History Pre-AP (0540)
Prerequisite: Teacher Recommendation

5 Credits
Full Year
Grades 9- 10

This course is aimed at preparing students to be successful in AP U.S. History. 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.

U.S. History 1 College Prep (0523)
Prerequisite: None

5 Credits
Full Year
Grade 10

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.

AP U.S. History (0541)
Prerequisite: U.S. History Pre-AP

5 Credits
Full Year
Grades 10-11

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. The summer assignment is an analytical book report on All Quiet on the Western Front by Erich Maria Remarque. In addition, this course requires the completion of summer work.

U.S. History 2 College Prep (0533)
Prerequisite: U.S. History 1

5 Credits
Full Year
Grade 11

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.

Applied Psychology (0511)
Prerequisite: None

2.5 Credits
Semester
Grades 10-12

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.

Principles of Sociology (0532)
Prerequisite: None

2.5 Credits
Semester
Grades 10-12

This semester course explores major problems in contemporary society. Concepts such as teen issues, crime and violence, the role of the family, race and ethnic relations, collective behavior and social movements are studied. This semester course is taken in conjunction with Applied Psychology.

AP Psychology (0518)
Prerequisite: American Literature H or Pre-AP US History or Sociology

5 Credits
Full Year
Grades 11-12

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.

AP World History (0575)
Prerequisites: AP US History (11-12th grade); Teacher Recommendation

5 Credits
Full Year
Grades 11-12

Prerequisite: AP US History

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.

AP U.S. Government & Politics (0570)
Prerequisites: Teacher Recommendation

5 Credits
Full Year
Grades 11-12

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. This course prepares students to take the Advanced Placement United States Government and Politics Exam.

AP U.S. Government and Politics 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.

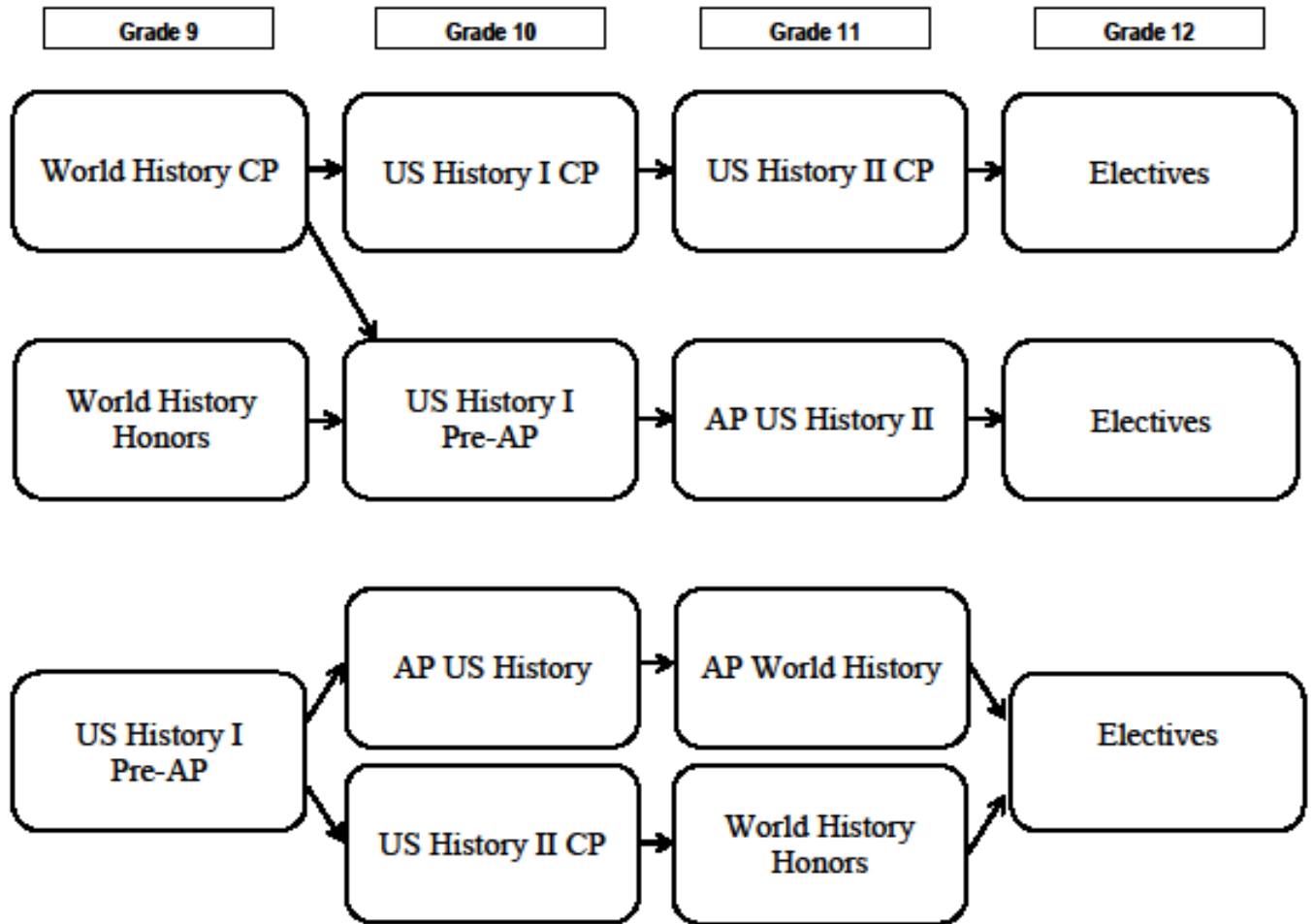
Criminal Justice (0545)
Prerequisite: None

2.5 Credits
Semester
Grades 11-12

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.

SOCIAL STUDIES

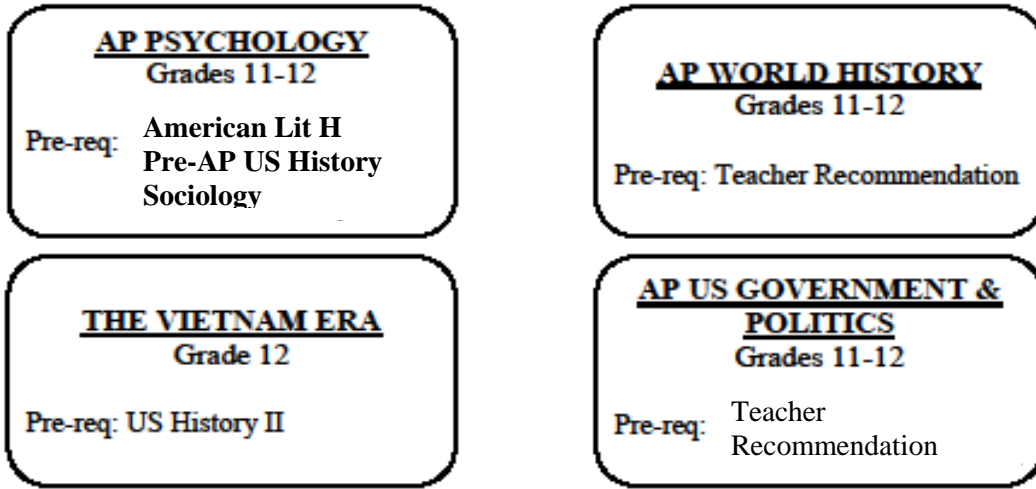
3 years of Social Studies are required for graduation. These courses include World History, US History I, and US History II. AP courses have prerequisite requirements.



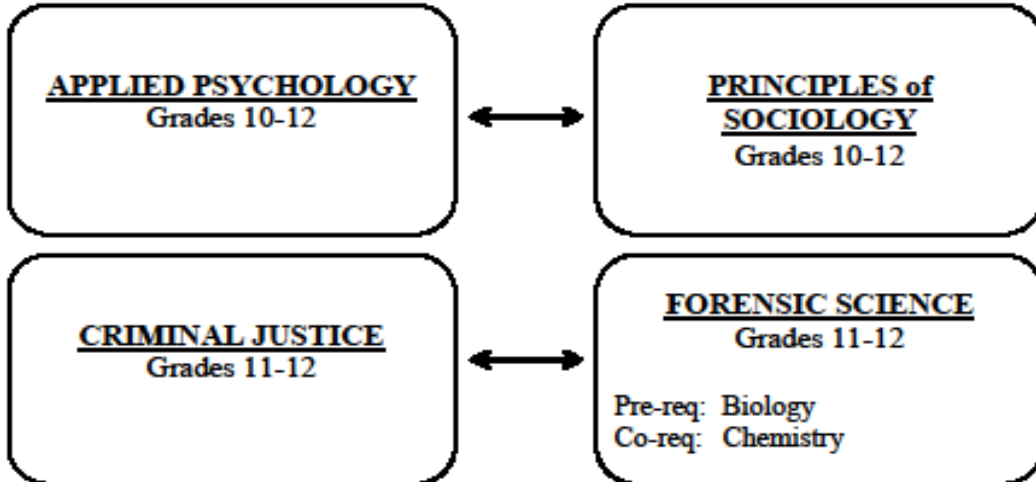
Social Studies elective courses can be found on the next page.

SOCIAL STUDIES ELECTIVES

Full Year Courses (5 credits)



Semester Courses (2.5 credits)



Denotes course pairing = ↔

TECHNOLOGY

Level 1 Courses

STEM (0814)

Prerequisites: None

**5 Credits
Full Year
Grade 9-12**

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)

Prerequisites: None

**5 Credits
Full Year
Grades 9-12**

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 relating 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.

Web and Graphic Design (0890)

Prerequisites: None

**5 Credits
Full Year
Grade 9-12**

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.

Computer Language Programming 1 (0888)

Prerequisites: None

**5 Credits
Full Year
Grades 10-12**

This course is aimed at students with little or no programming experience. It aims to provide students with an understanding of the role computation can play in solving problems. Students will learn the fundamentals of multiple programming languages. Specific languages will be at the discretion of the teacher and will be based on student interest and market need, but may include: Java, html, the C family, php, and python. This course fulfills the 21st Century Requirement.

Level 2 Courses

Gaming Technology (0889)

Prerequisites: Computer Language Programming 1, Tech Design, Product Design and Development or Teacher Recommendation

**5 Credits
Full Year
Grades 10-12**

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 basics of programming to create their own games in Java, Flash, or other platforms at the instructor's discretion.

Product Design and Development (0891)

Prerequisites: Any Technology Course or Teacher Recommendation
(Not offered in 2018-2019)

**5 Credits
Full Year
Grades 10-12**

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.

Level 3 Courses

Introduction to Architecture Honors/Dual Credit (0892)

Prerequisites: Any Technology Course or Teacher Recommendation
(Alternate Course-Offered in 2018-2019)

**5 Credits
Full Year
Grades 11-12**

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.

Introduction to Engineering Design Honors/Dual Credit (0893)

Prerequisites: Any Tech Course or Teacher Recommendation

**5 Credits
Full Year
Grades 11-12**

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.

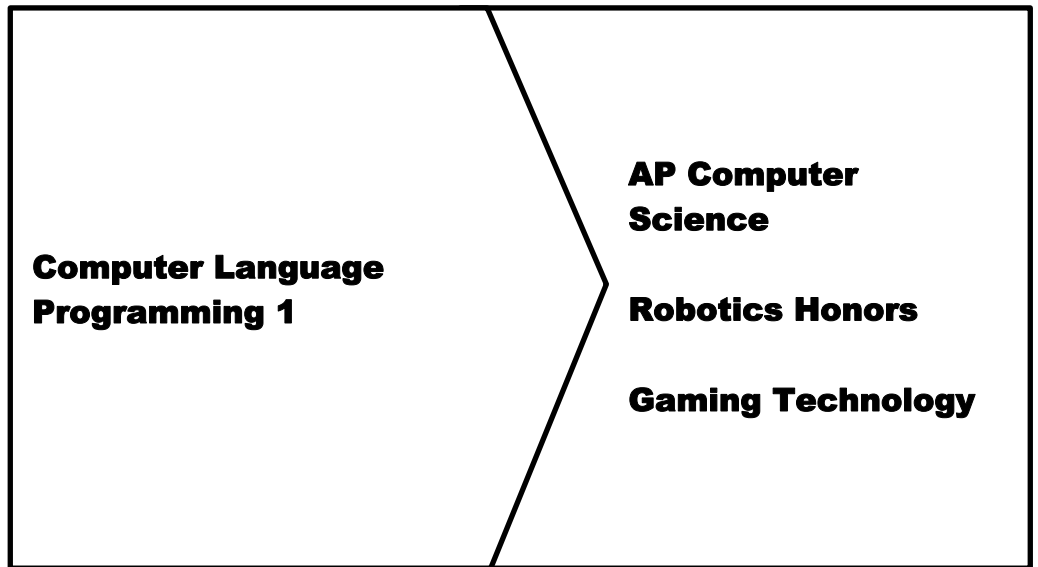
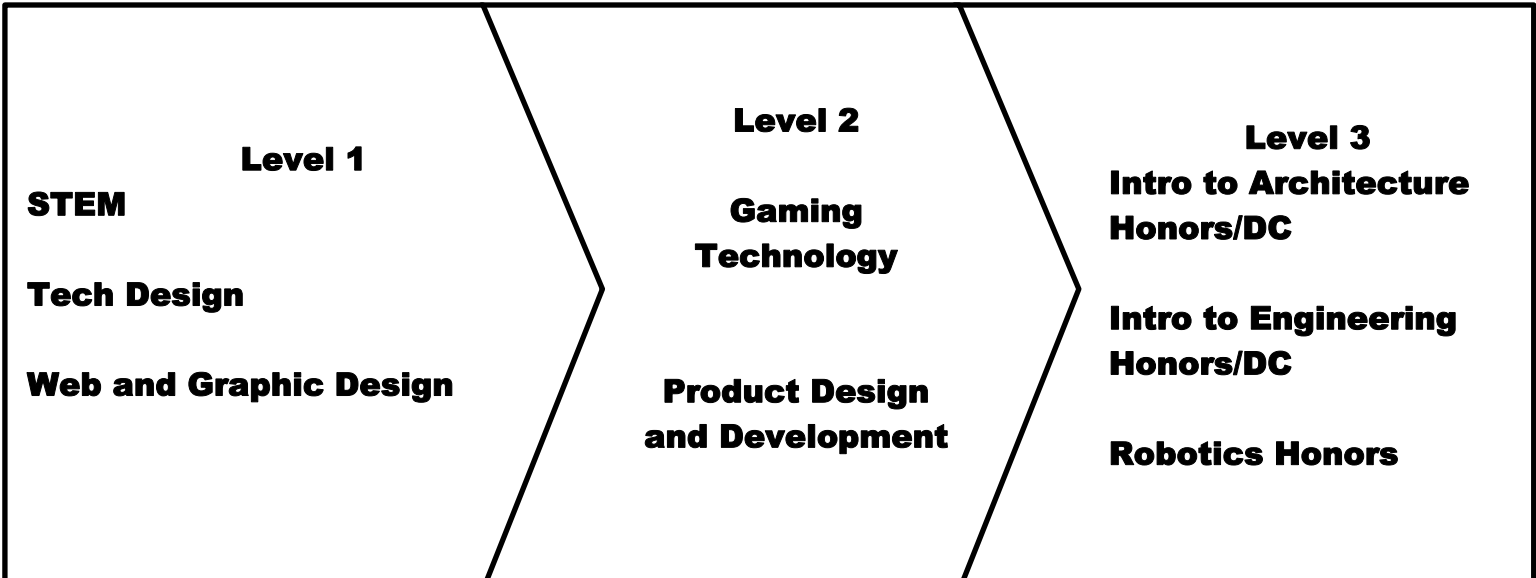
Robotics Honors (0887)

Prerequisites: Computer Language Programming, Introduction to Engineering/Design, Tech Survey, Tech Design, Product Development & Design, STEM, Robotics Club or Teacher Recommendation
(Not offered in 2018-2019)

**5 Credits
Full Year
Grades 10-12**

The goal of this course is to provide a unified introduction to the area of robotics including robot mechanisms, dynamics, and intelligent controls. Students will begin by building basic robots and learning essential programming to control them. As the year progresses, students will focus on designing robots to solve real world problems. For students interested in further work in robotics, this course provides a useful introduction to more specialized courses.

Industrial Technology
All courses fulfill 21st Century requirements



VISUAL & PERFORMING ARTS

Concert Band (0911)
Prerequisites: None

5 Credits
Full Year
Grades 9-12

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)
Prerequisites: None

5 Credits
Full Year
Grades 9-12

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)
Prerequisites: Teacher recommendation or tryout

5 Credits
Full Year
Grades 9-12

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.

Music Appreciation (0949)
Prerequisite: None

2.5 Credits
Semester
Grades 9-12

Enjoyment of music is the sequential study of the evolution of music. Some of the studies include the styles of music and composers/artists including Medieval Music and Gregorian Chant, Renaissance, Baroque, Classical, Romantic, Contemporary, Jazz, Folk, Rap, and Rock. Enjoyment of music includes research and responsive listening to music.

Musical Theatre (9909)
Prerequisite: None

2.5 Credits
Semester
Grades 9-12

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)
Prerequisites: Music Appreciation and/or Musical Theatre and Teacher Recommendation

5 Credits
Full Year
Grades 11-12

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)
Prerequisites: None

5 Credits
Full Year
Grades 9-12

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)
Prerequisites: Art 1

5 Credits
Full Year
Grades 10-12

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 conte crayon.

Art Major Honors (0933)
Prerequisites: Art 2/Teacher Recommendation

5 Credits
Full Year
Grades 11-12

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.

Art Portfolio: 2D Design Honors/Dual Credit (0935)
Prerequisites: Art Major Honors and Teacher Recommendation

5 Credits
Full Year
Grade 12

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.

Photography (0940)
Prerequisites: None

5 Credits
Full Year
Grades 9-12

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)
Prerequisites: Photography

5 Credits
Full Year
Grades 10-12

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)
Prerequisites: Advanced Photography and Teacher Recommendation

5 Credits
Full Year
Grades 11-12

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)
Prerequisites: None

5 Credits
Full Year
Grades 10-12

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.

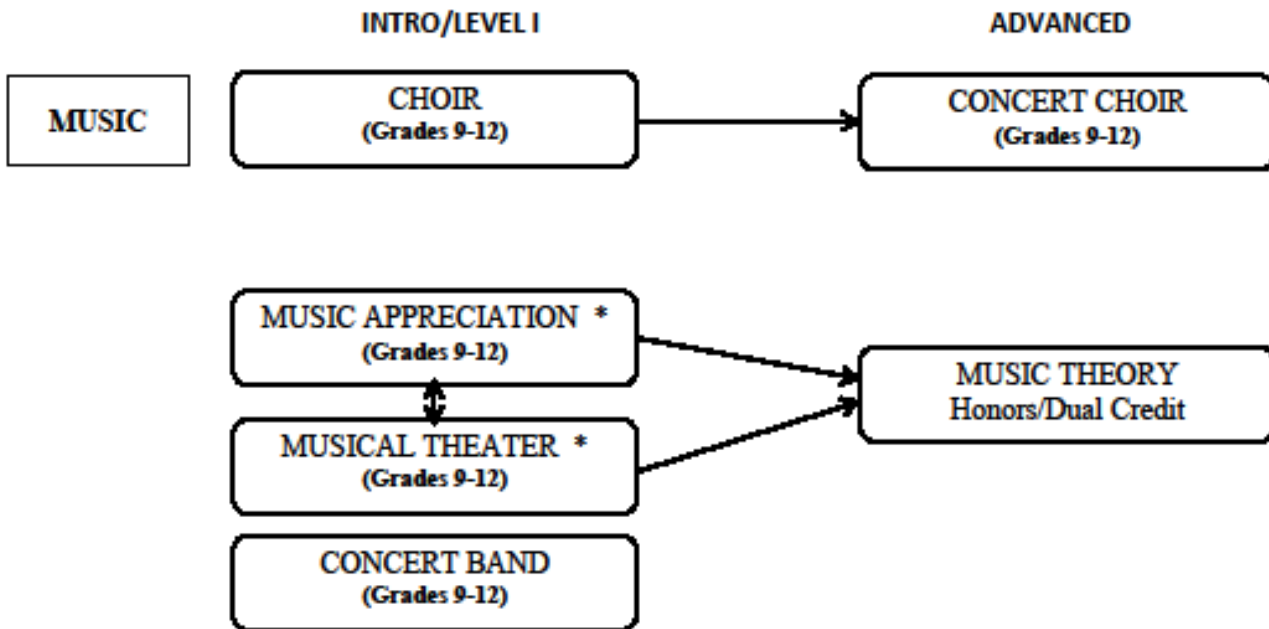
Advanced Yearbook
Prerequisites: Yearbook & Teacher Recommendation

5 credits
Full Year
Grades 11-12

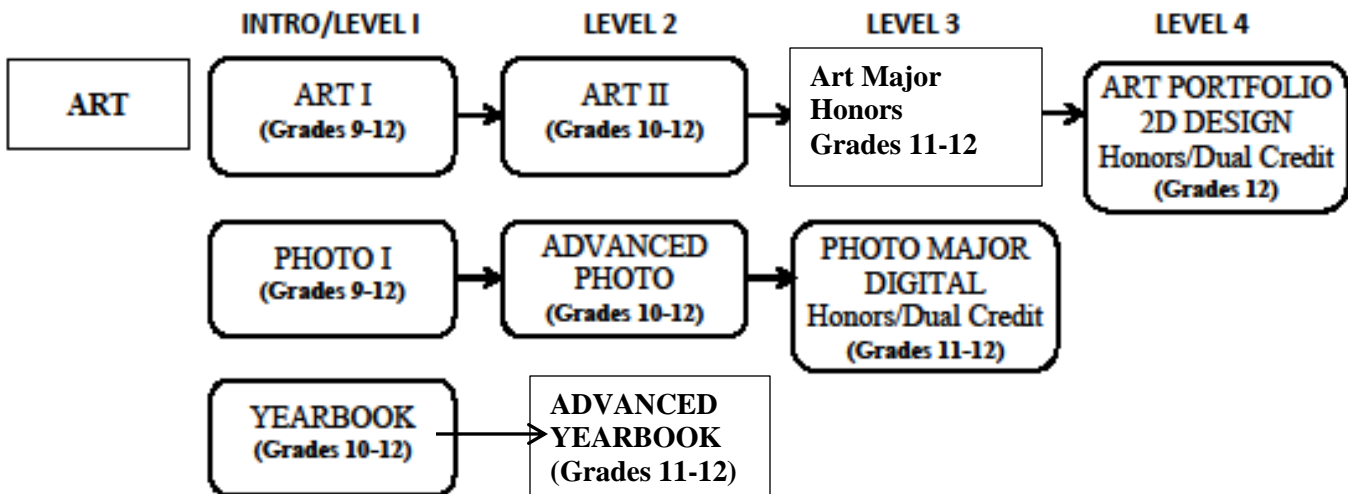
This course offers students the opportunity to explore advanced yearbook production through the opportunity to serve in editorial roles. Students will explore leadership opportunities as they work with teams to design layout, copy-writing skills, creative theme ideas, photography, and sales techniques. 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,

FINE ARTS

Full Year Courses (5 credits)
(Unless otherwise indicated)



*Denotes Semester Course



WORLD LANGUAGE

French 1 (0211)
Prerequisites: None

5 Credits
Full Year
Grades 9-12

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)
Prerequisites: French 1

5 Credits
Full Year
Grades 9-12

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 3 (0213)
Prerequisites: French 2 and Teacher Recommendation

5 Credits
Full Year
Grades 10-12

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.

French Honors/Dual Credit (0215)
Prerequisites: French 3 and Teacher Recommendation

5 Credits
Full Year
Grades 11-12

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)
Prerequisites: None

5 Credits
Full Year
Grades 9-12

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)
Prerequisites: None

5 Credits
Full Year
Grades 9-12

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)
Prerequisites: Spanish 1

5 Credits
Full Year
Grades 9-12

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 3 (0243)
Prerequisites: Spanish 2 and Teacher Recommendation

5 Credits
Full Year
Grades 9-12

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.*

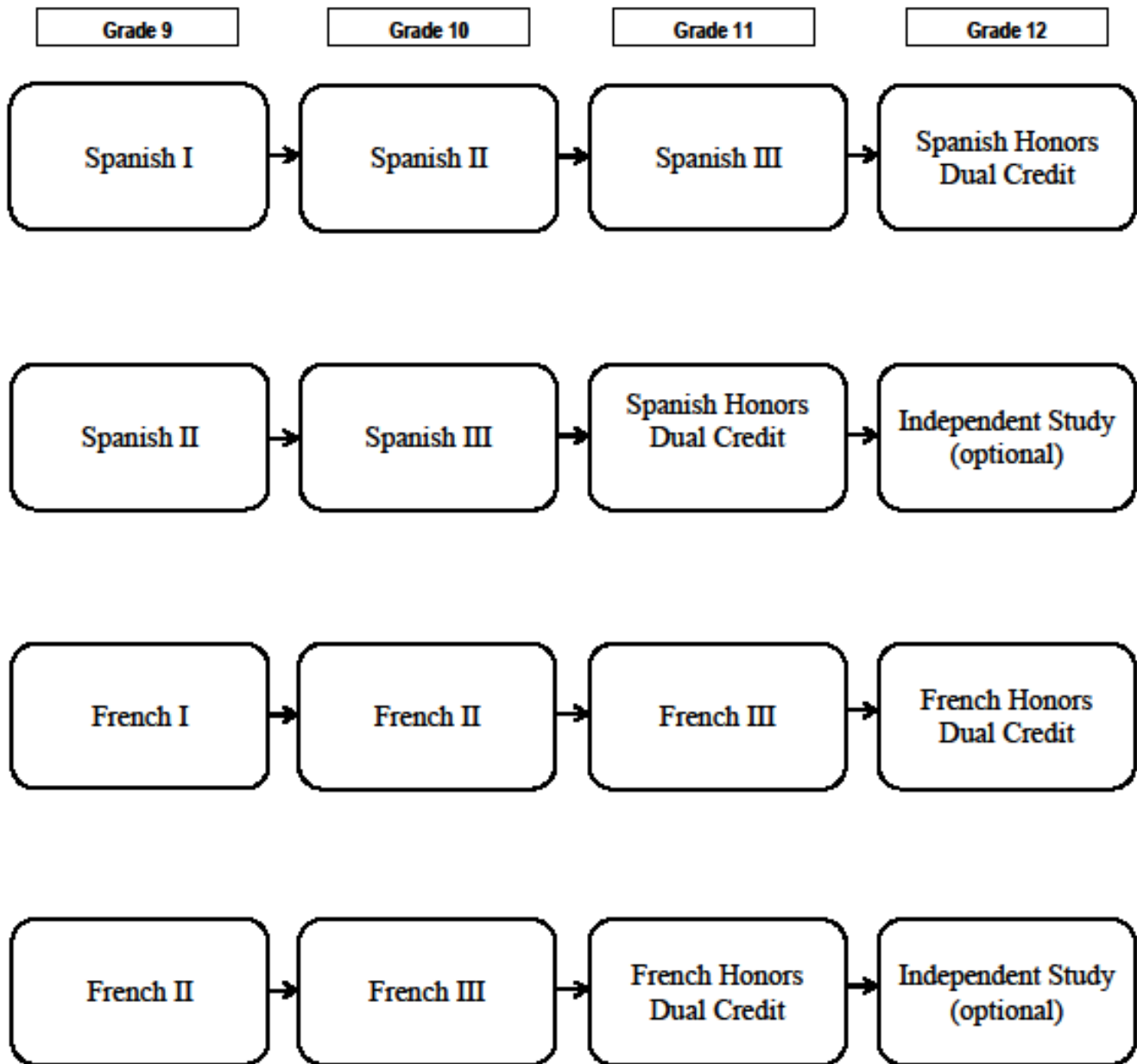
Spanish Honors/Dual Credit (0247)
Prerequisites: Spanish 3 and Teacher Recommendation

5 Credits
Full Year
Grades 9-12

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.

WORLD LANGUAGES

Students are required to take one year of World Language to graduate. It is recommended that students who are planning to attend a 4 year college/university take 2-4 consecutive years of World Language.



GATEWAY ACADEMY

Gateway Academy 9 (9912)
Monday - Mentor Lunch Discussion Group

2.5 Credits
Full Year
Grade 9

Students will participate in weekly mentor discussion group meetings and conduct independent and group research projects focused on the development of leadership skills. Students will develop leadership skills, and executive functioning skills including: interpersonal, public speaking, and technology skills. Students are required to present two major research-based projects throughout the year. Students will also participate in lunchbox lectures and have the opportunity to attend college visits to help plan for college and career readiness.

Gateway Academy 10 (9913)
Tuesday - Mentor Lunch Discussion Group

2.5 Credits
Full Year
Grade 10

Students will participate in weekly mentor discussion group meetings and conduct independent and group research projects focused on expanding student's academic horizons. Students will develop leadership skills, and executive functioning skills including: interpersonal, public speaking, and technology skills. Students are required to present two major projects one for the entire class and one to Gateway peers. Students will also participate in lunchbox lectures and have the opportunity to attend college visits to help plan for college and career readiness.

Gateway Academy 11 (9915)
Wednesday - Mentor Lunch Discussion Group

2.5 Credits
Full Year
Grade 11

Students will participate in weekly mentor discussion group meetings and conduct independent and group research projects focused on college and career readiness. Students will develop leadership skills, and executive functioning skills including: interpersonal, public speaking, and technology skills. Students are required to present two major projects one for the entire class and one to Gateway peers. Students will also participate in lunchbox lectures and have the opportunity to attend college visits to help plan for college and career readiness.

Gateway-Senior Honors Thesis
Thursday - Mentor Lunch Discussion Group

2.5 Credits
Full Year
Grade 12

Students will participate in weekly mentor discussion group meetings and conduct an independent senior honors thesis project based on their career interests and aspirations. Students will analyze secondary research and conduct their own independent research on the topic selected. Students will develop leadership skills, and executive functioning skills including: interpersonal, public speaking, and technology skills. Students are required to present their final project at an end of year thesis program. Students will also participate in lunchbox lectures and have the opportunity to attend college visits to help plan for college and career readiness.

COURSE SELECTIONS BY DEPARTMENT

Business		
Course #	Name of Course	Grade(s)
0711	Accounting	10,11,12
0785	AP Macro Economics	10,11,12
0714	Business Administration	9,10,11,12
0700	Business Law Honors/Dual Credit	11,12
0710	Personal Finance (Sem.)	10,11,12
0731	Introduction to Marketing (Sem.)	10,11,12
0701	Computer Applications	9-10
0704	Business Finance Honors/Dual Credit	11,12
0703	Marketing	10,11,12

Industrial Arts		
0842	Woodworking	9,10,11,12
8450	Construction Trades	11,12
0832	Carpentry	10,11,12

Language Arts		
Course #	Name of Course	Grade(s)
0401	English 1 CP	9
0400	English 1 Honors	9
0423	American Literature CP	10
0421	American Literature Honors	10
0433	British Literature CP	11
0431	British Literature Honors	11
0435	AP English (English Language and Composition)	11
0436	AP English (English Literature and Composition)	12
0443	World Literature CP	12
0474	Modern Classics H/DC	12
0415	Senior Portfolio-ELA (Semester)	
0481	Port of Entry ESL-Listening/Speaking/Reading/Writing (Double Block)	9,10,11,12
0483	ESL-Intermediate (Double Block)	9,10,11,12
0484	ESL-Advanced (Double Block)	9,10,11,12
0402	Freshman Focus	9
0477	ELA-9 Strategies	9
0478	ELA-10 Strategies	10
0479	ELA-11 Strategies	11
0475	Culture of Caring	10,11,12
0476	Exploring Science Fiction	10,11,12
0451	Novel & Film Studies	10,11,12

Mathematics		
Course #	Name of Course	Grade(s)
0344	Pre-Algebra	9
0345	Freshman Focus	9
0316	Algebra 1 Honors	9,10
0321	Geometry Honors	9,10
0301	Algebra 1	9,10
0323	Geometry	9,10
3005	Math Strategies-Alg.	9, 10

3006	Math Strategies-Geometry	9, 10, 11
3007	Math Strategies-Alg. 2	10, 11, 12
0331	Algebra 2 / Trig Honors	11,12
0333	Algebra 2	11,12
0342	Pre-Calculus	11,12
0368	Pre-Calculus Honors	11,12
0369	Calculus Honors	12
0350	AP Calculus	12
0370	Introduction to College Math	12
0371	Math Analysis & Application	12
0337	AP Statistics	11,12
3029	Senior Portfolio-Math (Semester)	12
0390	AP Computer Science	11,12

Physical Education		
Course #	Name of Course	Grade(s)
6013	Physical Education 1	9
0612	Health 1 (1 MP)	9
6000	Success 101 (1 MP)	9
0622	Health 2 (1 MP)	10
6214	Physical Education 2	10
6033	Physical Education 3	11
0632	Health 3 (1MP)	11
6043	Physical Education 4	12
0642	Health 4 (1 MP)	12
0648	Exercise Science and Nutrition Honors	11,12

Science		
Course #	Name of Course	Grade(s)
2111	Environmental Science CP with Lab	11,12
2011	AP Environmental Science	11,12
2112	Biology CP with Lab	9
2113	Biology Honors with Lab	9, 10
2013	AP Biology	10, 11, 12
2117	Chemistry Concepts with Lab	10, 11, 12
2114	Chemistry CP with Lab	10, 11, 12
2115	Chemistry Honors with Lab	10, 11, 12
2015	AP Chemistry	11, 12
2116	Physics CP with Lab	11,12
2118	Physics Concepts	11,12
2017	AP Physics	11,12
2125	Worldwide Medical Trends (Sem.)	11,12
2000	Human Growth and Development (Sem.)	11,12
2126	Human Anatomy Honors/Dual Credit	11,12
2127	Forensic Science (Sem.)	10,11,12

Service/Study		
0556	School Service	11,12
0560	Academic Study Hall	11,12
	<p>Academic Study Hall Description</p> <p>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 and recommendation of school counselor. Students are assigned to an instructor for the class period and are required to adhere to behavioral and academic expectations.</p>	

Social Studies		
Course #	Name of Course	Grade(s)
0575	AP World History	11,12
0500	World History Honors	9
0501	World History CP	9
0540	U.S. History 1 Pre-AP	9,10
0523	U.S. History 1 CP	10
0511	Applied Psychology (Sem.)	10,11,12
0532	Principles of Sociology (Sem.)	10,11,12
0518	AP Psychology	11,12
0541	AP U.S. History 2	10,11
0533	U.S. History 2 CP	11
0570	AP U.S. Government & Politics	11,12
0586	The Vietnam Era	12
0545	Criminal Justice (Sem.)	11,12

Technology		
Course #	Name of Course	Grade(s)
0889	Gaming Technology	10,11,12
0814	STEM	9, 10, 11, 12
0888	Computer Language Programming 1	10,11,12
0845	Technology Design	9,10,11,12
0890	Web and Graphic Design	9,10,11,12
0891	Product Design and Development	10,11,12
0887	Robotics Honors	10,11,12
0893	Introduction to Engineering Design Honors/Dual Credit	11,12
0892	Introduction to Architecture Honors/Dual Credit	11,12

Visual and Performing Arts		
Course #	Name of Course	Grade(s)
0911	Concert Band	9,10,11,12
0912	Choir	9,10,11,12
0907	Concert Choir	9,10,11,12
0949	Music Appreciation (Sem.)	9,10,11,12
9909	Musical Theatre (Sem.)	9,10,11,12
0913	Music Theory Honors/Dual Credit	11,12
0931	Art 1	9,10,11,12
0929	Art 2	10,11,12
0933	Art Major Honors	11,12
0935	Art Portfolio: 2D Design Honors/Dual Credit	12

0940	Photography	9,10,11,12
0941	Advanced Photography/Portfolio	10,11,12
0942	Photography Major (Digital) Honors/Dual Credit	11,12
0944	Yearbook	10,11,12
0945	Advanced Yearbook	11,12

Vocational/Technical Programs – Off Campus-Morris County School of Technology		
Course #	Name of Course	Grade(s)
9942	Allied Health (located at Pequannock H.S.)	11
9953	Auto Body 1	11
9955	Auto Body 2	12
9940	Auto Service Technology 1	11
9941	Auto Service Technology 2	12
9969	Carpentry 1	11
9971	Carpentry 2	12
9973	CADD 1-Computer Aided Design & Drafting	11
9975	CADD 2-Computer Aided Design & Drafting	12
9950	Cosmetology 1	11
9951	Cosmetology 2	12
9943	Cybersecurity and Information Protection (located at CCM)	11
9977	Electrical Trades 1	11
9979	Electrical Trades 2	12
9984	Plumbing & Pipe Fitting 1	11
9985	Plumbing & Pipe Fitting 2	12
9991	Welding 1	11
9992	Welding 2	12
9993	EDAM-1 Honors/Dual Credit	11
9994	EDAM-2 Honors/Dual Credit	12
9961	Fundamentals of Building Construction 1*	11
9965	Fundamentals of Building & Grounds Maintenance 1*	11
9981	Fundamentals of Food Services 1*	11
9988	Fundamentals of Retail & Supermarket Careers 1*	11
	*Special Needs	

World Language		
Course #	Name of Course	Grade(s)
0211	French 1	9,10,11,12
0212	French 2	9,10,11,12
0213	French 3	10,11,12
0215	French Honors/Dual Credit	11,12
0239	Spanish Conversation & Culture	9,10,11,12
0241	Spanish 1	9,10, 11,12
0242	Spanish 2	9,10, 11,12
0243	Spanish 3	10,11,12
0247	Spanish Honors/Dual Credit	11,12

Special Services		
Course #	Name of Course	Grade(s)
	Self-Contained	
0014	Basic Chemistry	9,10,11,12

0016	Basic Environmental	9,10,11,12
0017	Basic Biology	9,10,11,12
0043	English 1	9,10,11,12
0044	English 2	9,10,11,12
0054	English 3	9,10,11,12
0064	English 4	9,10,11,12
0053	Math 1	9,10,11,12
0063	Math 2	9,10,11,12
0073	Math 3	9,10,11,12
0083	Math 4	9,10,11,12
0005	Reading	9,10,11,12
0050	American History	9,10,11,12
0051	American History II	9,10,11,12
0060	World History	9,10,11,12
0075	Pathways to Independence	9,10,11,12
Course #	Replacement	
0025	English 1	9
0035	American Literature	10
0045	British Literature	11
0055	World Literature	12
0066	Pre-Algebra	9
0067	Algebra 1	9, 10
0164	Algebra 2	11,12
0068	Geometry	10, 11
0074	Environmental Science	9
0079	Chemistry	11
0080	Biology	10
0087	Physical Science	9,10,11,12
0081	World History	9
0084	US History 1	10
0086	US History 2	11
0040	Wrap Around	9,10,11,12
0090	OCS (Out of Class Support)	9,10,11,12
0041	ATL (Approaches to Learning)	9,10,11,12
0089	Structured Learning Experience	11,12
0088	Career Preparation	10,11,12