

KINNELON HIGH SCHOOL



The Three A's: Academics, Arts and Athletics

Academic Bulletin 2011-2012

KINNELON HIGH SCHOOL

ADMINISTRATION

Dr. Wayne Merckling Principal
Mr. Matthew Scanlon..... Vice Principal
Mr. Scott Rosenberg.....Vice Principal for Athletics/Activities
Ms. Meridith Charles.....Supervisor of Guidance/Counseling

GUIDANCE AND COUNSELING STAFF

Mrs. Heidi Cosmi-Godau School Counselor
Mr. Patrick Derrot..... School Counselor
Mrs. Monica Gormley School Counselor
Ms. Priscilla Adams Student Assistance Counselor
Mrs. Francine GordonSecretary
Mrs. Cabrina Poland.....Secretary

KINNELON PUBLIC SCHOOLS

**109 Kiel Avenue
Kinnelon, NJ 07405
(973) 838-1418**

James Opiekun

Superintendent

PHILOSOPHY OF THE BOARD OF EDUCATION

The Board of Education considers that the mission of the Kinnelon Public Schools is to develop citizens who have mastered the basic skills and complex problem solving techniques, understand and are able to utilize technology, are internally motivated, have a high level of self esteem, show respect for humanity, have an appreciation for the arts, take responsibility for their actions, and are committed to the continuous pursuit of knowledge. The intention of the Board is to implement this mission by providing innovative programs developed by knowledgeable staff, by encouraging parental involvement in the educational process and by the appropriate use of community resources.

AFFIRMATIVE ACTION STATEMENT

The Board of Education, shall, in accordance with law, strive to overcome the effects of any previous patterns of discrimination in school and classroom practices and shall systematically monitor district procedures to insure continuing compliance with anti-discrimination laws and regulations.

Louis Caruso, PRM Assistant Principal/District Affirmative Action Officer(973) 838-5250

HARASSMENT, INDIMIDATION AND BULLYING

The Board of Education prohibits acts of harassment, intimidation, or bullying of a pupil. A safe and civil environment in school is necessary for pupils to learn and achieve high academic standards. Harassment, intimidation, or bullying, like other disruptive or violent behaviors, is conduct that disrupts both a pupil's ability to learn and a school's ability to educate its pupils in a safe and disciplined environment.

The harassment of a pupil includes means any gesture, written, verbal or physical act, or any electronic communication, that takes place on school property or at an school-sponsored function.

The Superintendent shall direct the instruction of all pupils of their right to be free of harassment, intimidation and bullying, and shall encourage pupils to report any incident of such actions to any member of the teaching or administrative staff.

KINNELON HIGH SCHOOL

121 KINNELON ROAD
KINNELON, NJ 07405

Kinnelon High School, with an enrollment of approximately 700 students in grades 9-12, successfully maintains the personal nurturing atmosphere of a small school. The school offers students an extensive array of advanced placement, honors and college preparatory courses that are usually found only in large high schools. In many ways, Kinnelon High School is more like a private school than a traditional public school, as evidenced by its high academic rating and the competitiveness of the students. Kinnelon is classified by the New Jersey Department of Education as an "I" district. It continues to rank among the top in the state.

FREQUENTLY CALLED NUMBERS

High School Information Line	283-0682
Athletic Director.....	838-8034; 838-5500 ext. 1103
Athletic Information	838-6323
Attendance	838-6006
Guidance	838-6006
Main Office	838-5500
Media Center	838-5500 ext. 1117
School Nurse	838-5500 ext. 1111
Special Services	838-1418
Student Assistance Counselor.....	838-5500 ext. 1211
High School FAX	838-0261
Guidance FAX	838-2786

GUIDANCE AND COUNSELING STAFF 838-5500

Meridith Charles	Supervisor of Guidance/Counseling	Ext 1108
Heidi Cosmi-Godau.....	School Counselor.....	Ext 1107
Patrick Derrot,	School Counselor.....	Ext 1106
Monica Gormley	School Counselor.....	Ext 1120
Priscilla Adams.....	Student Assistance Counselor	Ext 1211
Fran Gordon,	Secretary	Ext 1109
Susan Latevola.....	Secretary	Ext 1110

THE GUIDANCE/COUNSELING PROGRAM

The primary goal of the Kinnelon High School Counseling Program is to promote and enhance student learning through the three broad and interrelated areas of student development. Each of these areas of student development encompass a variety of desired student learning competencies, which in turn are comprised of specific knowledge, attitudes, and skills, which form the foundation of the developmental school counseling program. The three areas of student development are:

- Academic development
- Career development
- Personal/social development

The school counselor utilizes a variety of strategies, activities, delivery methods, and resources to promote student development in these areas. The school counselor's responsibilities include the design, organization, implementation, and coordination of the program.

Counselors also work closely with teachers, administrators and parents. The department offers a variety of evening workshops in the areas of high school orientation, financial aid, college selection and middle school to high school transition. The following are some of the topics a student may wish to discuss with a counselor:

- | | |
|-----------------------------|---------------------------------|
| 1. Course Selection | 7. College Planning |
| 2. Classes or Teachers | 8. Standardized Test Results |
| 3. Grades | 9. Graduation Requirements |
| 4. Study Techniques | 10. Personal Concerns |
| 5. Career Planning | 11. Crisis Issues |
| 6. Employment Opportunities | 12. Interpersonal Relationships |

The Guidance & Counseling Office houses the College/Career Center, made possible through a generous grant from the Home & School Association. Among the many resources available to students and their families are:

- Electronic career and college information
- Career Handbooks
- College catalogues, applications and handbooks
- Financial aid and scholarship information
- Study Skills Resources
- Special programs including foreign exchange, enrichment & Summer programs
- PSAT, SAT, ACT and TOEFL registration materials and review programs

APPOINTMENTS

Students may stop in the Guidance & Counseling Office before or after school to make an appointment. Parents may make an appointment to meet with the counselor and/or teacher(s) by calling 838-6006 or 838-5500 and the extension listed on page 3.

ELECTRONIC RESOURCES

Parents have access to student information, including grading, attendance, and the scheduling of courses, through the software program, Power School. Power School is capable of allowing parents and students to access information in real time and is a useful tool for increasing communication among parents, students, and teachers. Power School can be accessed at <http://powerschool.kinnelon.org/public> or through a link on the district website. Confidential IDs and passwords remain with students and parents throughout their time within the Kinnelon Public School System.

Through the school network, students and parents may access **Naviance**, an information management system which has college and career search functions. The Guidance Department maintains a vast array of web resources for parents and students. Students may obtain information about 4-year and 2-year colleges, graduate schools, financial aid, the Armed Services, and technical and business schools, as well as occupational information. Please take advantage of these resources by visiting www.kinnelonpublicschools.org, selecting Kinnelon High School and then Guidance/Counseling.

EMPLOYMENT OPPORTUNITIES

The Guidance & Counseling Office posts part-time and full-time employment opportunities for our students. Working papers for student employment are available through this office.

EXTRA HELP

Extra help is available at least one day a week after school from 2:25 PM to 3:10 PM in the teacher's classroom. It is advisable to make an appointment with your teacher at the first sign of academic difficulty or upon receipt of a progress report. If there is a conflict with an activity, advise your coach or advisor of the intent to go for extra help. Your academic performance is vital to your future career. See your counselor if you need additional help.

HOME INSTRUCTION

If a student is going to be absent for more than ten calendar days, the parent may request home instruction. A written request from the parent and a doctor's note designating the illness, length of absence and restrictions should be sent to the Nurse's Office. The school physician and Special Services must approve all requests for home instruction. Upon approval, every attempt will be made to provide appropriate instruction.

HOMEWORK REQUESTS

When a student is absent, it is his/her responsibility to obtain the assignments by calling another student in the class or checking Power School assignment listing. When a student is going to be absent for three consecutive school days, a parent may request homework by calling the guidance secretary. Approximately forty-eight hours later, the parent may contact the Guidance Office to pick up the assignments. Assignments will not be faxed to parents.

RELEASE OF RECORDS/ACCESS TO RECORDS

In the course of the student's education, records are kept which are necessary to meet state and local requirements. The right to inspect and review these records is reserved for the parents of students under the age of 18. By law, when a student transfers to another school district, a copy of mandated records inclusive of discipline information, will be forwarded, upon written request from the receiving district, to the receiving school. In addition to parents, educators working with a student may have access to his/her records.

STANDARDIZED TESTING

The Guidance Department coordinates a number of standardized testing opportunities throughout the high school years. These tests include the state-mandated High School Proficiency Assessment, the HSPA, and scholarship qualifying tests such as the PSAT/NMSQT. Advanced Placement tests are administered each May. The goals of the testing program are to enable the student to analyze his/her potential; to provide the administration and faculty with data to analyze and modify curriculum; and to provide colleges and scholarship services with test data required for admissions/selection purposes. The Guidance office will provide registration materials for national testing programs. As a test center for SAT I and SAT II, students are tested on designated Saturday dates. While not a test center for the ACTs or TOEFL, registration materials for these tests are available through the Guidance Office. Students are encouraged to register for the SAT I and II electronically by going to www.collegeboard.com.

- **HIGH SCHOOL PROFICIENCY ASSESSMENT (HSPA)** - The HSPA measures abilities in reading, mathematics and writing skills. To be eligible for a New Jersey high school diploma, students currently in the Class of 2012 and 2013 must pass all sections of the test. The test will be administered at the eleventh grade level. Eighth grade students will be given the New Jersey Assessment of Skills and Knowledge (ASK). If a student does not meet district minimum standards on the eighth grade test, a program of remediation will be developed for that individual. Students new to the district, without previous HSPA scores, will be tested based on their grade level according to state guidelines. HSPA score reports will be mailed to parents.
- **The Armed Services Vocational Aptitude Battery (ASVAB)** is available on a voluntary basis to all juniors. Students are encouraged to take the ASVAB as a tool to increase their level of self-knowledge in the areas of multiple aptitude and interest. Test results provide students with an in-depth overview of their scores and how they relate to both military and civilian careers. Students interested in taking the ASVAB should speak to their school counselor.

COLLEGE ADMISSION TESTING

Most colleges and many technical schools require standardized test scores as one part of the data needed to consider a student for admission. Information on privately sponsored and community sponsored review courses for these tests is available in the Guidance Office. The following tests are among those used by colleges for admission, placement and/or scholarship consideration.

- **PRELIMINARY SCHOLASTIC ASSESSMENT TEST/NATIONAL MERIT SCHOLARSHIP QUALIFYING TEST (PSAT/NMSQT)** - This test, administered in October, is a multiple-choice test with a student response section measuring verbal, writing and mathematical abilities that are related to success in college. It is designed to provide an early measurement of a student's aptitude for college level study; to provide test-taking experience; and to identify outstanding students who may then compete for National Merit Scholarships. This test is recommended for all college-bound juniors. Sophomores often take this test for practice purposes. Only juniors are eligible for National Merit consideration. Registration for juniors is arranged through the Guidance & Counseling Office.
- **SAT Reasoning Test**-- This test measures critical reading, math and writing aptitude for college-level work. The scores are utilized by many colleges as part of the data necessary to determine admission. As a test center for the area, Kinnelon offers both the SAT Reasoning Test and the SAT Subject Tests on several test dates. Juniors are encouraged to take SATs in the spring and again as seniors (October, November or December). It is suggested that students take the SATs two or three times to achieve a maximum score. Those students considering Early Decision and those applying to the Military Academies and for ROTC scholarships, should take at least one SAT Reasoning Test and any required Subject Tests in the junior year. These tests may be taken again early in the senior year. Careful planning is recommended to insure that the student has met all of the testing requirements as prescribed by institutional guidelines. Classified students who are eligible for untimed or extended time testing as indicated in their IEPs must pick up special registration materials through the Guidance & Counseling Office at least eight weeks prior to the test date.
- **SAT Subject Tests** - Many highly selective colleges require up to three SAT Subject Tests in specific subject areas; it is the responsibility of the student to determine which tests, if any, are required by the college. Most SAT Subject Tests are given on the same dates as the SAT Reasoning Test with the exception of the March date, which is a SAT Reasoning Test date only. Normally the SAT Subject Tests are taken when the student is best prepared. This may be at the end of the junior year or early in the senior year. All SAT II tests should be completed by January of the senior year.
- **ACT** - Some colleges, particularly those located in the Mid-West, West, and South use this test battery for admission purposes. Where the SAT is more of an ability test, the ACT is an achievement test. The ACT is divided into four areas: verbal, mathematics, humanities and sciences. The ACT has gained popularity in the East and may be accepted instead of the SAT I. While the ACT is not given at Kinnelon High School, registration materials are available through the Guidance & Counseling Office.

- **ADVANCED PLACEMENT TESTS (AP)** – In accordance with Board of Education policy, Kinnelon students enrolled in Advanced Placement (AP) classes **are required** to take AP examinations which are given in May each year. Some colleges accept scores of 5, 4, or 3 for advanced placement or course replacement. Check college catalogues for specific requirements. Students register for these tests in the Kinnelon High School Guidance & Counseling Office.
- **TEST OF ENGLISH AS A FOREIGN LANGUAGE (TOEFL)** - TOEFL registration materials are available on request in Guidance for students whose native language is not English. Colleges often use the TOEFL for admissions purposes and for placement.

REGISTRATION FOR TESTING - Deadlines are traditionally five weeks prior to the exams. Late fees can get costly, so plan accordingly. All materials are available in the Guidance & Counseling Office. Students can register on line for the SAT Reasoning Test and Subject Tests at: www.collegeboard.com.

TESTING NOTES:

- Kinnelon High School Code Number **310 667** (needed for PSATs, SATs, ACTs, APs, TOEFLs and many college applications).
- Students should check with their colleges to determine the specific tests needed for admissions.
- Depending on the student's selection of major, additional testing may be required. Example: National League of Nursing Test/National Architecture Exam.
- Once a student has been accepted to college, tests of basic skills and/or placement tests may be required. The institution notifies the student of those requirements and test dates.

SUMMER SCHOOL - If a student elects to take courses in summer school to make up a failed course, to improve a grade, to seek enrichment, or to take a course for full credit, the approval of the school counselor is necessary for acceptance of the course for placement on the student's transcript. Students needing or wishing to enroll in a course through a summer school program must see their counselor for obtaining information about course offerings through local area or the New Jersey Virtual High School program or about course registration procedures.

TRANSCRIPTS - Colleges and some employers require an official copy of the student's educational and testing record, which is called a transcript. An official copy of the transcript is one that bears the school seal and is mailed to the designated school or employer. Student copies are labeled as "unofficial" if hand carried or used as biographical data. All requests for transcripts should be made in writing and should specify the college, address and deadline date. A return postcard will be sent with each transcript and will be kept on file for one school year.

RELATED SERVICES

STUDENT ASSISTANCE – Ms. Priscilla Adams, S.A.C. is available to all students who have personal issues as well as substance use related problems. Services include individual/group counseling. Parents are also encouraged to contact Ms. Adams directly at 838-5500, ext. 1211. All inquiries and services are confidential.

LIBRARIES - The Kinnelon High School library and the Kinnelon Public library are both excellent sources for information on colleges, careers, employment trends, etc.

SPECIAL SERVICES - The Child Study Team (CST) members work with classified students and are available to consult with professional staff and parents regarding classified students. An Individualized Educational Program (IEP) determined by the team prescribes the graduation requirements and course selections of these students. Successful completion of these requirements will make the student eligible for graduation. Questions regarding course selection issues should be directed to the student's case manager.

HEALTH SERVICES - Kinnelon High School has a full-time school nurse on staff to assist students who are ill or have minor injuries. The school nurse is available to consult with students, parents and staff on immunization questions, medications and other health related concerns.

STUDENT PERSONNEL NETWORK – In Kinnelon, all human services personnel work as a team to integrate services and to maximize student contact on all levels. The high school has a Building Based Intervention Team that meets weekly to support at-risk students and students in need of additional resources to reach their full academic potential.

PROGRAM PLANNING

Each student will develop a plan after conferring with parents, teachers and his/her assigned school counselor. This plan will outline the subjects that will be taken during grades 9 through 12. It is expected that these outlines will be reworked annually based upon the student's individual interests and aptitudes, degree of academic success and changing goals.

Kinnelon High School offers full year courses for 5 credits (6 for science courses offering an additional lab section); semester courses for 2.5 credits; and three marking periods of physical education valued at 1.25 each quarter for a total of 3.75 credits and one marking period of health for 1.25 credits. The physical education and health credits will be reduced to 3 credits and 1 credit respectively to accommodate an advanced placement science lab course.

The curriculum is a broad, "single" curriculum rather than tracks in particular areas. The student is free to choose courses in a field of study to meet the demands of post-secondary opportunities and to develop personal interests, skills and talents.

The course descriptions that follow are meant to serve as a guide in this process. Students must carry a minimum of 35 credits each year, 7 courses per semester, but are encouraged to take more courses if they so choose.

EARLY GRADUATION

Based upon a philosophy of a curriculum which is individualized for each pupil as far as possible, the following proposal for early graduation from Kinnelon High School recognizes maturation rate, motivation, and socioeconomic differences within our student body and offers early graduation as an alternative to the typical four-year program. Early graduation is considered an exception, not a rule.

1. A pupil must meet or have a plan in place to meet all graduation requirements prior to the beginning of what would have been his or her senior year.
2. A written request for early graduation, signed by the student, a parent, the counselor, and approved by the Supervisor of Guidance, must be submitted on or before February 28th of the student's junior year.
3. The student's counselor, the Supervisor of Guidance, and the High School Principal shall review this request. The Supervisor of Guidance shall verify the student's record and certify that all requirements have been or will be met.
4. The request shall be presented to the Superintendent for Board approval at the June Board of Education meeting.
5. The approved request will be filed with the pupil's permanent records in the guidance office.
6. A diploma will be granted upon completion of all required graduation requirements.

GRADUATION REQUIREMENTS FOUR-YEAR PROGRAM PLAN

General Information: This sheet is for your planning. Select as strong a program as you can handle successfully. Students must take a minimum of 35 credits each year, 7 courses per semester.

GRADUATION REQUIREMENTS - Policy # 5460:

A graduating pupil must have earned a minimum of 140 credits (Class of 2012 and beyond) and must have successfully completed the following program of study:

20 credits of English

5 credits of World History/Cultures

10 credits of United States History

15 credits of Mathematics including content equivalent to Algebra 1; geometry content (effective with Class of 2013), and a 3rd year of math that builds on Algebra 1 and geometry

15 credits of Science including Biology and additional laboratory/inquiry based science courses, including chemistry, physics, or environmental science (effective with Class of 2014)

5 credits of Visual & Performing Arts

5 credits of Practical/Vocational Arts (21st Century Life and Career Skills – effective Class of 2014)

2.5 credits Financial Literacy (effective with Class of 2014)

10 credits of World Languages

1 year of Physical Education and Health during each year of enrollment

Demonstrated proficiencies in all sections of the High School Proficiency Assessment (HSPA) or Alternate High School Assessment (AHSA) OR END OF COURSE COMPETENCY TESTS
Successful adherence to district policies governing attendance

REQUIRED COURSE SEQUENCE:

Grade 9	Cr.	Grade 10	Cr.	Grade 11	Cr.	Grade 12	Cr.
1. English 1	5	1. English 2	5	1. English 3	5	1. English 4	5
2. World History/Cultures	5	2. US History 1	5	2. US History 2	5	2. PE/Health 4	5
3. Math	5	3. Math	5	3. Math	5	3. Elective	5
4. Science	5	4. Science	5	4. Science	5	4. Elective	5
5. World Language	5	5. World Language	5	5. PE/Health 3	5	5. Elective	5
6. PE/Health 1	5	6. Arts Requirement*	5	6. Elective	5	6. Elective	5
7. Required Elective	5	7. PE/Health 2	5	7. Elective	5	7. Elective	5
8. Optional Elective	5	8. Optional Elective	5	8. Optional Elective	5	8. Optional Elective	5

- A list of the courses that fulfill arts requirements can be found on the following pages.

Please note: Any student not achieving the level of proficiency on the NJ ASK in Grade 8 or the HSPA in Grade 11, will automatically be placed in Guided Study for remediation in the area(s) of Language Arts Literacy and/or Mathematics.

COURSES THAT SATISFY GRADUATION REQUIREMENTS

NOTE: Students may take any level course offered in English, Social Studies, Math, Science and World Language to fulfill graduation requirements. English as a Second Language also fulfills graduation requirements. ESL students are encouraged to take regular English courses as their skills develop. Classified students may take resource center classes in English, social studies, mathematics, and science. Mainstream courses or In-Class Support are determined through the Individual Education Plan (IEP).

English- 20 Credits	Social Studies- 15 Credits	Math- 15 Credits	Science- 15 Credits
English 1 H, CP	World History/Cultures H, CP	Content equivalent of Algebra 1	Geophysical Systems courses
English 2 H, CP	US History 1 Pre-AP Honors, H, CP	Geometry C, CP, H	Biology courses
English 3 AP, H, CP	US History 2 AP, H, CP	ADDITIONAL COURSE WHICH CAN INCLUDE: Algebra 2 Trigonometry/Precalculus Calculus	Chemistry courses
English 4 AP, H, CP			Physics courses
			Environmental Science courses
			Electives – CP + AP level

Physical Education/ Health	World Language- 10 Credits	Practical/Vocational Arts 5 Credits Visual & Performing Arts 5 credits (SEE BELOW)
1 Year for each year in attendance	Spanish, French or Latin	To meet the 135 to 140-credit graduation requirement, students may select from a wide variety of course offerings in addition to those listed below. <i>Career exploration is infused within the curriculum.</i>

Practical & Vocational Arts	Visual & Performing Arts
Introduction to Electricity Technology (2.5 credits)	Design Fundamentals (2.5 credits)
Digital Electricity Technology (2.5 credits)	Art 2 (5 credits)
Opto-Electricity Technology (2.5 credits)	Art Major 1 (5 credits)
Robotics (2.5 credits)	Advanced Art Major 2/ AP STUDIO/2-D ART (5 credits)
Auto (2.5 credits)	Ceramics & Sculpture 1, 2, Advanced (5 credits each)
Introduction to Technology (2.5 credits)	Computer Art (2.5 credits)
Mechanical Movement 1 (2.5 credits)	Digital Imaging (2.5 credits)
Technology Careers (2.5 credits)	Computer Animation (2.5 credits)
Research & Development (2.5 credits)	Commercial Art Publishing (2.5 credits)
Computer Assisted Design 1 (2.5 credits)	All Digital Multi-Media Communications classes
Computer Assisted Design 2 (5 credits)	Choir + Chamber Singers (5 credits each)
Architectural Design 1 & 2 / Advanced Architecture (5 credits each)	Concert Band + Wind Ensemble (5 credits each)
Financial & Career Planning (2.5 credits)	Contemporary Ensemble Workshop (2.5 credits)
Computer Applications (2.5 credits)	Music Theory Honors (5 credits)

Business & Marketing Essentials (2.5 credits)	Music Theory ADVANCED PLACEMENT (5 credits)
Business Law (2.5 credits)	Public Speaking /Advanced Public Speaking (2.5 credits each)
Computer Programming 1 & 2 (5 credits)	
Accounting (5 credits – HONORS LEVEL)	
Morris County School of Technology Courses	
SOME SENIOR EXPERIENCE OPTIONS MAY FULFILL REQUIREMENT – Please discuss with counselor FINANCIAL & CAREER PLANNING, BUSINESS LAW, ECONOMICS, AND CONSUMER MATH WILL FULFILL FINANCIAL LITERACY REQUIREMENT FOR MEMBERS CLASS OF 2014 and beyond	

ACADEMIC COURSE LEVELS

Classes in English, Social Studies, Mathematics, Science and World Language are offered at various levels of difficulty. Advanced Placement (AP) courses follow a national curriculum which presents college-level work to students and H levels indicate honors courses; CP level indicates regular offerings (college preparatory in the academic areas) and C level offerings indicate courses which take into consideration the needs of some students to work at a slower pace to attain course mastery. Algebra 1C and 2C, and Basic Geometry C are considered college preparatory courses in Mathematics. Foundations of Geophysical Systems and Foundations of Biology are considered college preparatory courses in Science. Foundations of Spanish 1 and 2 may be considered college preparatory courses.

AP Level Courses

English 4 AP
English 3 AP
US History 2 AP
American Govt. AP
Calculus AP
Physics AP
Computer Sci. AP
Biology AP
Chemistry AP
French 5 AP
Spanish 5 AP
Statistics AP
Environ. Science AP
European History AP

Honors Level Courses

English 1,2,3,4 H
Humanities H
World Cultures H
U.S. History 1 & 2 H
U.S. History 1 PreAP H
Geometry H
Algebra 2/Trig H
Adv. Trig/Pre Calc H
Calculus H
Geophysical Systems H
Biology 1H
Chemistry H
Physics H

Latin 3, 4 H
French 4 H
Spanish 3,4 H
College Spanish H
Accounting H

College Prep Level Courses

All other academic courses and general curriculum offerings

C Level Courses

Algebra 1C
Geometry C
Algebra 2C

Math Concepts 1 & 2C
Foundations of Integrated Science
Foundations of Biology
Foundations of Chemistry
Foundations of Spanish 1 & 2
Selected Topics in Science C
Special Services Courses
Guided Study

COURSE PLACEMENTS

Kinnelon High School

In a continuing effort to articulate appropriate placement of students in the Kinnelon School District, the most crucial need presenting in the transition process of middle school to high school, the professional staff offers the following parameters. They come with some very clear notions: that these parameters are meant to be viewed as guidelines rather than as straightjackets; that students have the ability to move from one level to another, based on performance, maturation, and work ethic; that no student shall be “locked-in” to tracks; that placement recommendations will be made on a yearly basis; that a process inclusive of students, parents, teachers, and counselors shall be in place to challenge the professional recommendation for placement.

The goal of the following narrative rubric is singular in purpose--to place students in the proper level in an effort to ensure maximum learning.

It is important for students to realize that in order to move up a level, they must assume the responsibility for covering any content that is part of the prerequisite for the course they are entering.

The following behaviors/attributes are expected of all students:

- Maintain a sound attendance pattern
- Contribute positively to the classroom environment through appropriate standards of personal conduct and decorum in the classroom
- Accept responsibility for his/her academic performance and outcomes
- Display a sense of responsibility to course work and self
- Seek assistance/support when needed

THE STUDENT WORKING AT ADVANCED PLACEMENT (AP) LEVEL COURSE WORK:

Working at the equivalent of a freshman level college course, Advanced Placement level Students are expected to possess the following characteristics/academic skills: high academic achievement and intellectual ability; self-motivation and self-discipline; excellent organizational and communication skills; superior range writing, reading, and analytical skills; ability to multi-task, and the ability to work well both independently and collaboratively. Additionally, AP students will be expected to: maintain the highest standards of academic integrity; identify and formulate problems, as exchange of ideas. All students enrolled in an Advanced Placement examination, final exam requirement of the course, and will be required to complete extensive summer assignments.

THE STUDENT WORKING AT HONORS (H) LEVEL COURSE WORK:

Designated as H level, honors courses are offered in most academic areas to challenge the academically talented. Admission to honors courses is based on high academic performance in the classroom high achievement on standardized tests, demonstrated proficiencies in reading and writing, motivation, interest and teacher recommendation. All prerequisites must be considered for placement in these courses.

The honors level student will be self-motivated and highly committed, demonstrated by intellectual curiosity, often spending many hours beyond the normal school day engaged in assignment preparation, study, extended learning opportunities and working independently.

Mastery and application of the skills of written expression, public speaking and the continuum of knowledge, relating to how information is connected from one discipline to another, is expected. There is an assumption that students working at this level shall advance on the continuum leading to higher sequences, thereby stretching to reach further self-improvement opportunities.

Lastly, the maintenance of an academic record that would support application to some of the finest, most competitive colleges in the country is expected.

THE STUDENT WORKING AT COLLEGE PREPARATORY (CP) LEVEL COURSE WORK:

The College Preparatory level student is considered to be a solid, motivated college bound individual. He/she will complete assignments with attention to thoroughness and timeliness. Challenging course work will be presented at a steady rate allowing for review of previously learned material in various subject areas. Pursuit of more in depth individual studies will be encouraged. This student will display acceptable standards of mastery in the essential skills of reading, writing, and speaking.

Lastly, this solid foundation of learning and achievement will allow the student to maintain an academic record that will support application to competitive colleges throughout the country.

THE STUDENT WORKING AT FOUNDATIONS (C) LEVEL COURSE WORK:

The Foundations level classes are designed for the college or post-secondary school bound student who may require a slower-paced course with additional support measures.

The student working at this level is one who may struggle academically in the CP level due to subject-specific or learning-specific deficits, necessitating close monitoring and support. This student who with consistent personal effort augmented with professional support may pursue the college or post-high school educational experience with success.

Prerequisites for Course Placement Our Philosophical Framework

An examination of exemplary schools offering broad-based curricular options clearly demonstrates a connection to prerequisites to help guide students and their parents in the decision-making process for course selection/placement. The operative word here is “guide.” Although we are deeply committed to the advisability of prerequisites and extremely grateful to our teaching staff for its insight and expertise in rendering sound recommendations for program placement, we also believe in a student’s right to challenge or override a recommendation. Guided by the principle of encouraging students to stretch themselves based on interest, ability, and willingness to commit to hard work, we do not subscribe to a “lock out” of course choice. Rather, we attempt to accurately define sound and reasonable prerequisites to set the stage for student success; and we have found our teacher recommendations and our prerequisites to be extremely viable with respect to predictability of such success.

To those who elect to override a teacher recommendation, however, a process is in place to address that choice. **The process is called “Challenge to the Recommendation.” The process requires a written level change request. REQUESTS FOR LEVEL CHANGES MUST BE SUBMITTED BY JUNE 15, 2011 for 2011-2012 academic year.** Any questions about this process may be directed to the guidance office.

Kinnelon High School strongly encourages open, honest communication among all stakeholders – students, parents, teachers, and counselors, to ensure sound course placement, thereby maximizing full student potential. Course placement involves crucial decision-making and we are here to support all areas of consideration.

GRADING SYSTEM

1. Grading - The academic grade not only measures the degree of individual achievement in absolute terms but also measures the student as s/he compares with others in a particular area. Such factors as tests, daily assignments, quizzes, class participation, projects, etc., are considered in the determination of a particular grade. Students and parents have access to grades and student information via Power School system.
2. Grade Scale - The following scale of grades is used at Kinnelon High School to indicate the quality of the work of each student.

Number	Letter
97-100	A+
93-96	A
90-92	A-
87-89	B+
83-86	B
80-82	B-
77-79	C+
73-76	C
70-72	C-
67-69	D+
63-66	D
60-62	D-
Below 60	F

3. Grade Reporting- Grades are formally issued four times per year. Individual student progress in individual classes is updated on a bi-weekly basis through the Power School system.
4. Examinations - All students are required to take the scheduled exams even if they are failing or losing credit. Mid-term and final examinations are scheduled on regular exam days at the end of the first and second semester (see school calendar). The average of the mid-term and final exams will count as 1/5 of the final grade. Any student who misses a mid-term or final exam must present a written excuse to the Principal in order to take the make-up exam. Arrangements for make-up exams will be made with the individual subject teacher. Make-up exams must be taken in the original exam order and should be completed as soon as possible. In the event that exams are canceled, an updated standard of grade configuration will be mailed home to parents.
 - Exemptions from FINAL EXAMINATIONS are made within specific guidelines:
 - Exemptions apply to full-year courses only and in grade 10, 11, 12 ONLY
 - A student must earn a cumulative average of 90 in the specific subject, inclusive of all 4 quarters and the mid-term examination, to qualify for exemption.
 - Exemptions are made on subject specific basis:
 - Seniors earning the above average may exempt from full-year exams in courses which are not Advanced Placement level courses.
 - Juniors earning the above average may exempt from (2) two full-year exams which are not Advanced Placement level courses.
 - Sophomores earning the above average may exempt from (1) one full-year exam.
 - Freshmen may not exempt any exam, regardless of average.

5. Final Grades - Full year course: Each marking period accounts for twenty percent of the grade. The midterm and final exams account for another 20% of the final average.
Semester Courses: Each marking period accounts for forty percent of the grade, the exam accounts for another 20%.
6. To determine final grade when exam exempt for full year courses: Double each marking period grade, add the mid-term exam grade and divide by 9. For semester courses add the two marking period grades together and divide by 2. Only final grades appear on the transcript for grades 9 - 11. Seniors must be aware of the fact that colleges will see their marking period grades as they appear on their report cards for twelfth grade.
7. Incomplete Grades - Any student receiving an incomplete mark will be required to make up the work within two weeks of the close of the marking period. It is the responsibility of the student to see that this is done. If the student fails to complete the work in the allotted time, the mark will be an F.
8. Report Card Corrections - In the case of an error or an omission of a course or a grade on a student's report card, it is the responsibility of the student to report such error(s) immediately to the Guidance & Counseling Office. The office will then initiate change of grade procedure. All students who have errors on their report cards must follow this procedure. Corrections to the final grade/credits must be made within six (6) months after the issuance of the last report card or the card will be considered correct and final.
9. Honor Roll - There are two Honor Rolls at Kinnelon High School: The High Honor Roll and Regular Honor Roll. To be eligible for the High Honor Roll, a student must receive A's in all subjects. The Regular Honor Roll includes students with A's and B's in all subjects.

NATIONAL HONOR SOCIETY AND WORLD LANGUAGE HONOR SOCIETIES –

Students who demonstrate leadership, service, character and academic excellence during their high school career may be inducted into these honor societies. The criterion for selection is available by contacting the advisor or the high school principal. Once students are inducted, they must maintain grade and citizenship standards. While these organizations honor student achievement, they also provide valuable services to the school and community.

CLASS RANK

Kinnelon is proud of the excellent academic, athletic, and co-curricular programs and opportunities that it offers to all students and feels that the personal accomplishments of individuals in these areas are best used to describe each student's abilities and potential. The Board of Education believes that in a community such as Kinnelon, where students are highly motivated and receive strong support from their parents, teachers and the school, the practice of issuing class rank is not in the best interest of the students and the student body

Class rank will no longer be reported on a student's transcript. In addition, the Board of Education authorizes the calculation and confidential disclosure of rank-in-class only when required for a student to be considered for:

- Scholarships and awards
- The selection of a valedictorian and salutatorian
- United States Military Service Academies

GRADE WEIGHTING FOR GPA CALCULATION:

Class of 2011 and beyond			
Letter	AP weight	H weight	CP/C weight
A+	5.25	4.75	4.25
A	5.00	4.50	4.00
A-	4.75	4.25	3.75
B+	4.25	3.75	3.25
B	4.00	3.50	3.00
B-	3.75	3.25	2.75
C+	3.25	2.75	2.25
C	3.00	2.50	2.00
C-	2.75	2.25	1.75
D+	2.25	1.75	1.25
D	2.0	1.50	1.00
D-	1.75	1.25	.75
F	0	0	0

CAREER AND COLLEGE PLANNING

The Guidance & Counseling Department is a ready source of information on high school program offerings, financial aid, scholarships, careers, and post secondary opportunities. Serving in an advisory capacity, counselors can be helpful to both students and parents when choices of schools or careers must be made.

Through counseling and group meetings, both students and parents can learn about educational requirements, types of training, and future opportunities in many fields.

Kinnelon High School operates under a single curriculum plan. While some courses are required, the large variety of offerings encourages each student to choose as strong a program as s/he is capable of handling successfully.

FOUR YEAR COLLEGE - GENERAL

Students who plan to attend college should complete academic subjects in order to meet the admission requirements for all colleges. Most college catalogs list the minimum requirements for admission. Any additional academic subjects or "college prep units" will only enhance the student's chances of acceptance to the college of choice. One academic unit is granted for each year of study in a college preparatory course. Colleges usually require from sixteen to eighteen such units for admission. These units are required by most colleges in the following subject areas:

English - 4 years

Social Studies - 3 years

Mathematics - 3-4 years, Science and Engineering Majors 4-5 years

Science (Laboratory) - 3 years, Science and Engineering Majors 4-5 years

World Language - 2-4 years, a concentration in one language is preferable to the study of two languages.

Electives - Additional units in College Preparatory English, Mathematics, Science, Social Studies, World Language or Computer Programming

The above requirements are broad in nature. A particular college or a particular major may have more stringent requirements. It is essential that a student refer to the college catalog to determine the exact admission requirements. Guidance counselors are available for help in determining the admission requirements for a specific school.

Students are encouraged to take challenging courses. The academic program completed in high school will help the student gain admission to college and serve as a firm foundation for future academic studies.

SAMPLE SUGGESTED COURSE SEQUENCES

NOTE: The Suggested Course Sequence is merely a guideline for course selection. Differences in ability level, interests, and goals may alter these sequences. Your guidance counselor will help you explore options.

Highly Competitive Colleges

Freshman	Sophomore	Junior	Senior
1. English 1H	1. English 2H	1. English 3AP or H	1. English 4AP
2. World Hist/Cult H	2. US Hist 1 PreAP H or H	2. US History 2AP or H	2. Calculus AP or H
3. Geometry H	3. Algebra 2H	3. Intro to Calc H	3. Physics AP or H
4. Geophys Sys H/Bio H	4. Bio1H/Chem H	4. Chem H or Bio AP	4. World Lang 4/5
5. World Language 1/2	5. World Language 2/3	5. World Language 3/4	5. PE/Health 4 CP
6. PE/Health 1CP	6. PE/Health 2CP	6. PE/Health 3CP	6. Chem AP
7. Music/Tech/Arts	7. Computer Prog 1/2	7. Elective (H level)	7. Music/Tech/Arts
8. Elective	8. Elective	8. Elective	8. Elective

Competitive Colleges

Freshman	Sophomore	Junior	Senior
1. English 1H or CP	1. English 2H or CP	1. English 3H or CP	1. English 4H or CP
2. World Hist/Cult CP	2. US History 1H or B	2. US Hist 2H or CP	2. Trig/PreCalc or Sr Math
3. Algebra 1CP	3. Geometry CP	3. Algebra 2CP	3. Environmental Science (AP or CP) OR Physics (H or CP)
4. Geophys Sys CP/ Bio/CP	4. Biology 1CP/ Chem CP	4. Chem CP / Physics CP	4. World Language
5. World Language 1	5. World Language 2	5. World Lang 3	5. PE/Health 4CP
6. PE/Health 1CP	6. PE/Health 2B	6. PE/Health 3CP	6. Social Studies Elective
7. Music/Tech/Arts	7. Computer Prog 1/2	7. Music/Tech/Arts	7. Elective
8. Elective	8. Elective	8. Elective	8. Elective

Two Year College - Transfer Program

Freshman	Sophomore	Junior	Senior
1. English 1CP	1. English 2 CP	1. English 3CP	1. English 4 CP
2. World Hist/Cult CP	2. US History 1CP	2. US History 2CP	2. Alg 2 or Sr. Math
3. Math Conc/Alg 1	3. Algebra 1/Geometry	3. Geometry/Algebra 2	3. PE/Health 4CP
4. Geophysical Sys	4. Found. of Biology	4. Found. of Chemistry	4. Academic Elective
5. World Language 1	5. World Language 2	5. World Lang 3 or elect	5. Academic Elective
6. PE/Health 1CP	6. PE/Health 2CP	6. PE/Health 3CP	6. Elective
7. Music/Tech/Arts	7. Music/Tech/Arts	7. Elective	7. Elective
8. Elective	8. Elective	8. Elective	8. Elective

Vocational Careers

Freshman	Sophomore	Junior	Senior
1. English 1	1. English 2	1. English 3	1. English 4
2. World Hist/Cult	2. US History 1	2. US History 2	2. Science Elective
3. Math Conc/Alg 1	3. Algebra 1/Geom	3. Geometry/Algebra 2	3. PE/Health 4
4. Geophys Systems	4. Biology	4. PE/Health 3	4. Elective
5. World Language 1	5. World Language 2	5. Morris County	5. Morris County
6. PE/Health 1	6. PE/Health 2	School of Technology	School of Technology
7. Music/Tech/Arts	7. Music/Tech/Arts		
8. Elective	8. Elective		

COURSE SELECTION

A. GUIDELINES

Student scheduling begins at the start of the second semester. Course choices related to one's particular interests and plans for the future need to be made with the following guidelines in mind:

1. Graduation requirements and career goals must be considered in the process of course selection. Other factors to consider include test scores, grades and teacher recommendations. College bound students should be aware of the general requirements offered in the handbook for admission to college. Parents are to approve the final course selection after reviewing all pertinent data with their sons or daughters. Do not hesitate to contact the guidance office if you have any questions.
2. Students must carry 35 credits each year, including courses required for graduation.
3. Students wishing to take AP or H level courses should have the written recommendation of their current teacher in that subject area and have met all prerequisites for the course before attempting the honors curriculum. **If a student feels that he/she wishes to be placed in a higher level course, he/she may "challenge" into that course by writing a letter stating the reasons for the challenge to the Supervisor of Guidance by June 15, 2011.**
4. Successful completion of previous levels is important when continuing with sequential courses. Students who have not been successful in previous levels should continue the sequence only with teacher recommendation.
5. Partial credit is not given. For a student to earn credit for a course in which s/he is enrolled, the entire course must be completed successfully.
6. Students should have alternative course electives in mind since scheduling conflicts or class cancellations may occur.
7. Students will not receive high school graduation credit for repeating a course they have already passed. Concert Band, Choir and English as a Second Language may be taken each year of instruction for full credit.
8. Course selection recommendations for a classified student will be made during the Annual Review conference.
9. If a student fails a course needed for graduation, it is highly recommended that he/she repeat the course in a local summer school or via New Jersey Virtual High School. The other alternative is to retake the course the following school year. This option may result in scheduling problems since course offerings tend to follow a certain grade level sequence.

B. COURSE OFFERINGS

In the pages that follow, courses are grouped by subject areas. Grade level limits, course prerequisites and course descriptions are listed to help you make the important decision of course selection. Requests to enroll in specific courses when stated guidelines are not fully met will be reviewed by the school counselor and the high school principal.

In order to provide the broadest program possible to meet the individual needs of students, a wide selection of electives is available in many subject areas. Class-size limits are established in order to

provide optimum educational opportunities for students and the district makes every effort to adhere to these limits. A course might not be offered during a given school year due to low enrollment. It is advisable to carefully consider alternate course options during the scheduling process.

C. COUNSELING SERVICE

Because of the breadth of curricular offerings and the variety of possible program sequences, students should discuss options with teachers and counselors. Members of the guidance & counseling staff are available to answer questions that students or parents may have and to help with long-range program planning. Because student success, pride in achievement, and personal satisfaction relate strongly to proper academic placement, every student is encouraged to meet with a school counselor before finalizing course requests.

D. SCHEDULE CHANGES DURING SUMMER

Student schedules are developed in the spring of each year at which time the faculty and staff conduct much counseling and planning with students. The process includes input from students, parents, teachers, and counselors. Finally, the schedule each student selects is produced, and decisions about the budget and staffing are made as a result. Students will be expected to honor their commitments and to attend and satisfactorily complete courses in which they enroll during counseling conferences.

There should be little need to change a schedule after the initial selection of courses, due to the emphasis placed on the importance of individual counseling for educational planning. A change is necessitated by the completion of courses in the summer or failure to complete designated prerequisites are the only notable exceptions. **Any request for a schedule change must be made no later than August 20, 2011.** This includes replacing a course or dropping a level for all courses. Please be advised if an elective course is dropped after this date, options may be limited..

PLEASE NOTE: School counselors are available throughout the summer to assist students and parents with scheduling needs. COUNSELORS' AVAILBILITY WILL BE POSTED ON THE KHS WEBSITE.

SCHEDULE CHANGES DURING THE SCHOOL YEAR

Changing a student's academic program once classes have started disrupts the learning and teaching process and is strongly discouraged. No schedule changes will be made during the first four (4) days of school except to correct an error. Other than changes recommended as a result of interventions (i.e. Child Study Team IEP changes, Intervention & Referral Services (I&RS) Team recommendation, administrative removal from class, etc.), please be aware of the following considerations:

1. If a student fails a class, every effort will be made to enable the student to experience a different teacher when repeating the course, if the student so desires and the schedule permits.
2. All level changes are an outgrowth of teacher recommendations. Level changes are not predicated on discipline issues, lack of handing in assignments, lack of interest, lack of motivation, class size, or grade distribution. Level changes are predicated on lack of ability only and are an outgrowth of a teacher recommendation. No level changes will be entertained without teacher/counselor/parent contact and changes may not be made after the mid-point of the second marking period.
3. If a decision is made to change a student's schedule, the counselor must notify both teachers before the actual change is made. The counselor is responsible for returning the book to the teacher of the class that was dropped.
4. A student who is failing a course must remain in the class if he/she plans to attend summer school. If the student is removed from a course for disciplinary reasons, he/she may not attend summer school to make up the class.
5. Any student wishing to accelerate his/her program by taking classes at another institution of learning will be considered on a case-by-case basis. All costs involved with outside courses will be the responsibility of the students and his/her family, and outside coursework will not be calculated into the student's grade point average for Kinnelon High School.
6. Full year course drops:
 - Full year course drops within the first five weeks of the first marking period will not appear on the permanent record
 - Full year course drops after the first five weeks of the first marking period but before the beginning of the third week of the second marking period will appear as a **W** on the permanent record
 - Full year courses dropped after the first two weeks of the second marking period will appear as a **WF** on the transcript.
 - If a teacher suggests a course level change (i.e. from Algebra 1CP to Algebra 1C, the grades will transfer from one class to another but no **W** will appear on the student's record.
7. Semester courses dropped within the first five weeks after the course begins will not appear on the transcript. After the five-week period, a **WF** will appear on the transcript.

VIRTUAL HIGH SCHOOL ALTERNATIVE STUDY OPTIONS

A variety of learning opportunities exists for students who want to study or work in areas not covered in the formal school curriculum or who are gifted or talented in particular areas. Included in these options are:

VIRTUAL HIGH SCHOOL GRADE 12 2.5 CREDITS PER SEMESTER

Kinnelon High School will offer a limited number of seats for online courses through Virtual High School (VHS), a collaborative of high schools from across the county offering web-based distance learning courses. Each semester students will have the opportunity to enroll in a course in order to pursue a particular area of interest and/or to enrich their knowledge of a subject not offered through the offerings within the existing high school schedule. As these courses are rigorous and require a great amount of self-discipline, interested students will be required submit an application for counselor and administrative review. These courses are credited, and grades are part of the permanent transcript. More information regarding VHS course offerings is available on the VHS website – www.govhs.org.

MORRIS COUNTY SCHOOL OF TECHNOLOGY

Grades 11-12

Students select specific career oriented courses from the offering of Morris County Vocational Technical School (See course offerings in this curriculum handbook). One half of the school day (usually P.M.) is spent at the vocational school, the other at Kinnelon High School. Students planning to attend MCST should attempt to meet course and credit requirements as early as possible since scheduling courses out of sequence, in the four class periods available, may be difficult.

ADULT HIGH SCHOOL AND GENERAL EQUIVALENCY DIPLOMA (GED) PROGRAMS

While the goal of the staff at Kinnelon High School is to encourage students to stay in school and graduate with their peers, there are sometimes extenuating circumstances, which make this impossible. The Guidance and Counseling Office provides students, parents and community members with information on programs such as 70001 in Boonton (GED) and Morris County's Adult High School program located on the campus of Morris Knolls High School in Denville. Students may be able to earn a high school diploma through these adult school programs.

SUMMER SCHOOL

Students may pursue work for enrichment or for remediation at state-approved summer schools. Prior approval from the Supervisor of Guidance is required. Courses taken in summer school may be used to meet graduation requirements but are not included in the calculation of G.P.A. These courses and grades will appear on the transcript. In the case of course failures and remediation, the original course also continues to show on the transcript.

INDEPENDENT STUDY

Students work with a supervising teacher to develop a program as an alternative or addition to regular course work. The teacher must agree to the project. Then an application and proposal including the course description and proficiencies must be submitted to the board of education for approval no later than the first two weeks of the semester. Independent study courses may be used to meet graduation credit requirements and appear on the transcript.

SENIOR SERVICE LEARNING

GRADE 12

The Senior Service Learning Program offers high school seniors the opportunity to conclude their Kinnelon High School educational experience and requirements by providing community service or by gaining exposure to an area of professional interest. Possible sites for performing service learning include, but are not limited to, local companies, government or faith-based organizations, schools, or other community entities. Service Learning opportunities will be available to seniors during the second semester and/or through certain academic classes. Students interested in pursuing service learning will be required to complete an intensive application process and to submit written documentation and evaluation of the experience. Student eligibility for participation in service learning will be contingent upon a positive academic, attendance, and behavioral record.

COLLEGE COURSES THROUGH KINNELON HIGH SCHOOL

COLLEGE COURSES IN HIGH SCHOOL – Kinnelon High School has partnered with SYRACUSE UNIVERSITY. Through this partnership, qualified seniors and juniors have the opportunity to enroll in Syracuse University courses with the purpose of exposure to college level work and the potential of earning three (3) college credits per course. Students may enroll in these courses at a reduced Syracuse University tuition rate (approximately \$110 per credit). Courses are offered during the regular school day, and are taught by high school teachers who have completed graduate seminars in their subject areas and been named adjunct instructors at Syracuse University.

For the 2011-2012 school year, SUPA course offerings may include:

College Learning Strategies

College Learning Strategies is the study and application of strategic approaches to learning. Strategies are presented and practiced in order for students to maximize their learning in context of lectures, readings, recitations, and independent learning situations. An awareness of learning styles is examined through the development of a variety of learning strategies.

Prerequisite: Concurrent and simultaneous enrollment in an ADVANCED PLACEMENT OR COLLEGE LEVEL COURSE

Psychology – Foundations of Human Behavior

Students will learn the basic principles, concepts, and research findings in psychology and will become acquainted with psychological research methods and procedures while conducting and documenting research. Students will be presented with opportunities to discuss current topics, events, real life experiences, and applications of psychological theories and research.

Prerequisite: Overall B average and teacher recommendation

NOTE: Students who enroll in and successfully complete a SUPA class can earn five (5) credits from Kinnelon High School and four (4) Syracuse University credits for full-year classes or two and one-half (2.5) Kinnelon High School credits **and** three (3) Syracuse University credits for semester classes. SUPA courses are assigned honors level grading weight in computation of grade point average.

COLLEGE COURSE WORK

Students may enroll in neighboring colleges for advanced work unavailable in the high school. The CHALLENGER PROGRAM at County College of Morris is one example. Many colleges also offer summer/weekend enrichment courses for high school students. Students who wish to pursue these options must have the approval of the guidance department for courses to appear on the transcript. High school credits for these courses are not granted.

COURSE OFFERINGS

BUSINESS

The Business Education Department offers a diverse curriculum giving students the opportunity to develop a business knowledge base and learn skills that will be useful in their future academic pursuits and for their lifelong personal use. Each course offered provides an opportunity for students to work both independently and in a group setting. Up-to-date technology is integrated into each of the courses to provide students with state-of-the art computer knowledge. Important business concepts including the importance of ethics in business will be explored. Students will have an opportunity to research and investigate various career opportunities relative to the business world.

COMPUTER APPLICATIONS CP

GRADES 9 – 12

2.5 CREDITS

Computer Applications is a hands-on course that will provide students with the computer knowledge necessary to help them succeed in school, business, and their personal lives—now and in the future. Using Microsoft Office XP, students will learn how to create professional documents using Word, a word processing program; Excel, a spreadsheet application program; Access, a database management program; and PowerPoint, a slide presentation program. Students will complete projects including the creation of brochures, newsletters, resumes, and other related publications. The internet will be taught and used as a research tool. Careers in computer-related fields will be explored. Course may be offered in alternate years.

BUSINESS AND MARKETING ESSENTIALS CP

GRADES 10-12

2.5 CREDITS

This course provides students with an understanding of general business procedures, theory, and those principles specific to the fields of retail merchandising and marketing. Students become familiar with the vocabulary of business and how a business operates. After this business foundation is established, students learn the marketing principles of manufacturing, promotion, advertising, and selling of everyday consumer products as well as the role of marketing in our free enterprise system. Some projects include writing marketing plans, creating advertisements, exploring international business and creating business plans.

BUSINESS LAW CP

GRADES 10 - 12

2.5 CREDITS

Students will gain an understanding of the definition and purpose of business laws as they affect dealings between individuals. The class will consider the various kinds of courts, civil and criminal actions, crimes and torts, legal rights and responsibilities, contracts, and the need for government regulation of business. Students will increase their vocabulary and their ability to think analytically and systematically.

FINANCIAL & CAREER PLANNING CP

GRADES 9 - 12

2.5 CREDITS

This course will enable students to explore and discover the important relationship between career success and financial planning. Using a variety of personal assessment tools, students will research careers enabling them to match a career area to their interests, values and abilities. Students will learn what to do with money earned by exploring the world of money management and personal finance. Financial concepts such as managing checking and savings accounts, budgeting, consumer credit, debts, investment options, and insurance will be studied. Students will utilize the internet as a research tool and Microsoft Office for the preparation of various career related documents and presentations. **THIS COURSE FULFILLS THE FINANCIAL LITERACY GRADUATION REQUIREMENT FOR 2010-2011 INCOMING FRESHMEN.**

ACCOUNTING H

GRADES 11-12

5 CREDITS

Students in this accelerated course will be provided with a body of knowledge necessary for success in the future study of accounting or entry into the many business fields where "accounting" is the major language

spoken. The course covers topics ranging from basic bookkeeping through corporate accounting. The material covers manual and computerized accounting analysis through the use of PeachTree Accounting Software. Real world business situations will be examined along with ongoing discussions relating to the importance of ethics in business. Careers in the field of Accounting and the business world will be explored. Course may be offered in alternating years.

ENGLISH

The English program is a continuing study of literary genres and the development of reading, writing, speaking, listening, and thinking skills. Courses emphasize vocabulary, correct usage, literature and practical experience in writing, speaking and problem-solving. Media center instruction, individual research, and computer-assisted process writing are vital components of the program.

All students take four years of traditional English courses to satisfy graduation requirements and may choose from several college preparatory or honors-level electives. There is a four-year honors (H level) /Advanced Placement sequence as well as a college preparatory (CP level) sequence.

ENGLISH COURSE SEQUENCES

SEQUENCE 1	SEQUENCE 2	ELECTIVES
English 1H (Grade 9)	English 1CP (Grade 9)	Humanities H (Grades 11- 12)
English 2H (Grade 10)	English 2 CP (Grade 10)	Senior Project H (Grade 12)
English 3H or AP (Grade 11)	English 3 CP (Grade 11)	
English 4H or AP (Grade 12)	English 4 CP (Grade 12)	Literature & Psychology CP (Grades 10 - 12)
		News Writing and Mass Media CP (Grades 9 - 12)
		SAT/ACT Verbal/Math CP (Grades 10-12)
		Public Speaking CP (Grades 9-12)
		Writing, Ethics, & the Politics of Culture CP (Grades 11-12)
		Creative Writing CP (Grades 10 - 12)

ENGLISH 1 H

GRADE 9

5 CREDITS

Emphasis in this college prep course is on development and refinement of verbal and non-verbal communication skills. Vocabulary building uses both literary context and supplemental sources. Interpretation of literature and successful completion of long-range assignments are required. Students will read a minimum of four novels during the course of the year. Homework, writing and performance standards in English for H level students are greater than those required of students in the CP level classes. ***Prerequisite: Strong reading/writing skills as evidenced through formal assessments and standardized testing, and recommendation of current instructor***

ENGLISH 1 CP

GRADE 9

5 CREDITS

The emphasis of this college prep program is improvement and development of non-verbal and verbal communication skills and appreciation of the various literary forms. Several literary works in paperback are used to expand students' appreciation of literature. Vocabulary is studied in context with the selected readings.

ENGLISH 2 H**GRADE 10****5 CREDITS**

English 2 H involves a concentrated study of American Literature and Composition. The students read novels, plays, short stories, poetry, and historical pieces. They are assigned objective assessments, projects, and related writing assignments for each genre. Also included in the literature study are discussion sessions that are designed to exhibit students' depth of understanding of each piece. Research writing is an integral part of this course. As in all required English courses, verbal skills of listening and vocabulary will be developed, the latter based on a supplementary book *Thirty Days to a More Powerful Vocabulary*. Homework, writing and performance standards in English for H level students are greater than those required of students in the CP level classes. Students are expected to have a good aptitude in reading and writing prior to entering this accelerated program. ***Prerequisite: Recommendation of current instructor.***

ENGLISH 2 CP**GRADE 10****5 CREDITS**

Students enrolled in English 2CP, a college preparatory program, are involved in the study of composition and literature. (Grammar is implemented based on the needs of the particular class.) Composition involves the study of paragraphing, development, unity, and transition, as exemplified in expository essays. Emphasis will be placed on vocabulary development, originality and writing as a process. Alternative assessment projects are included as well. Literature studies will deal primarily with American authors.

ENGLISH 3 AP - LANGUAGE AND COMPOSITION**GRADE 11****5 CREDITS**

This college level English course, taught over two semesters, provides students a chance to extend their language arts competence by challenging them with difficult texts and writing assignments, following the standardized course of study developed by the College Board Advanced Placement program. The course is a modification of the present English 3 H British Literature survey course now offered. A number of minor authors and works from each period will be summarized and abbreviated to permit time for review and study of the English Language and Composition Advanced Placement Test. Students who take this course are expected to be strong in standard writing skills. Emphasis will be placed on essayists and non-fiction writing from each of the periods studied. Many essay assignments throughout the year will be modeled after those appearing in past AP exams, and students will be trained in the AP method of rubric graded essays. All candidates for this course are required to take the AP Language and Composition test as the final examination requirement; AP tests are administered in May. ***Prerequisite: Strong writing skills as evidenced by superior work in 9th and 10th grade portfolio. Minimum grade of B, B+ preferred, and recommendation of current instructor.***

ENGLISH 3 H**GRADE 11****5 CREDITS**

This is a year-long British Literature survey course, which provides students a chance to extend their language arts competence by challenging them with difficult texts and writing assignments. Candidates should be avid readers and are expected to be strong in standard writing skills and familiar with critical analysis technique. Writing will emphasize developing a voice and style. Rubric grading will be covered, and practice for the SAT writing will be incorporated. Students will be expected to increase their sophisticated vocabulary and to employ it in their writing. A research project is required. ***Prerequisite: Strong reading/writing skills, as evidenced by superior work in 10th grade writing portfolio. Minimum grade of B preferred, and recommendation of current instructor.***

ENGLISH 3 CP**GRADE 11****5 CREDITS**

In addition to the study of British literature, students in this college prep course read several novels and plays by major authors. Vocabulary development is stressed in preparation for PSAT's/SAT's. The program, using a variety of tasks and assessments, develops reading, writing, speaking, and listening skills. Literature appreciation is emphasized as well as ability to write in various expository and creative modes. A research paper is required.

ENGLISH 4 AP - LITERATURE AND COMPOSITION**GRADE 12****5 CREDITS**

This year-long college level English course provides students a chance to extend their language arts competence by challenging them with difficult texts and writing assignments, following the standardized course of study developed by the College Board Advanced Placement program. Review and study of the English Literature and Composition Advanced Placement Test will be an integral unit. Students who take this course are expected to be strong in standard writing skills and familiar with critical analysis. Many essay assignments will be modeled after those appearing in past AP exams, and students will be trained in the AP method of rubric graded essays. All candidates for this course are required to take the AP Literature and Composition test as the final examination requirement; AP tests are administered in May. ***Prerequisite: Strong writing skills as evidenced by superior work in 11th grade writing portfolio. Performance on the English 3 AP Language and Composition test may be considered in placement criteria. Minimum grade of B+ preferred and recommendation of current instructor.***

ENGLISH 4 H**GRADE 12****5 CREDITS**

This course focuses upon a variety of literature from around the world. Arranged thematically, corollary texts from a wide variety of cultures – from East to West – will be linked to themes such as the archetypal journey of the hero, race in America and the world, and the women's voice in literature. Rhetorical analysis of classical and modern writings will be directly related to the development of college level writing and critical thinking skills. Ultimately, by studying literature from different perspectives, students will wrestle with intellectual issues as well as ethics. This course is academically demanding: nightly reading will be a core part of student's final grade and there will be no fewer than ten 3 to 5 page essays in MLA style over the course of the school year. ***Prerequisite: Strong reading/writing skills, as evidenced by superior work in 11th grade writing portfolio. Minimum grade of B preferred, and recommendation of current instructor.***

ENGLISH 4 CP**GRADE 12****5 CREDITS**

This college prep course focuses upon a variety of literature from around the world. Arranged thematically, corollary texts from a wide variety of cultures and disciplines will be linked to such themes as freedom and happiness, ethical issues, and the meaning of love. Rhetorical analysis of classical and modern writings is directly related to the development of college level writing and thinking skills. Ultimately, by studying literature from different time periods and cultures, student awareness will be expanded.

HUMANITIES H**GRADES 11-12****5 CREDITS**

This full-year course provides mature students an opportunity for self-enrichment and study of the areas that define what makes us all human: art, music, theater, cinema, philosophy, myth, love and death. The text is college level and students must have strong reading skills. Gaining a lifetime appreciation of the humanities is stressed with participation and performance expected from all, according to talents and interests. Several novels are integrated throughout the year. Writing assignments are limited to journals and brief essays during assessments. Prerequisite: Strong critical thinking skills and an innate curiosity about the world Minimum grade of B in language arts preferred, but strong evidence of desire may suffice. ***Prerequisite: Recommendation of current English instructor***

SENIOR PROJECT H**GRADE 12****2.5 CREDITS**

The Senior Project is for the student who is highly self-motivated and has a sincere interest in pursuing academic or vocational interests which are not addressed by the existing high school curriculum. Interested seniors who enroll will be monitored throughout their study of a topic (usually one per marking period). The senior student will be encouraged to not only conduct an overview of the topic, but to also make a new conclusion or discovery as a result of his or her research. A service project may accompany this research. Requirements include, but are not limited to, a research paper or annotated bibliography, a journal, and a formal presentation in front of a selected panel of school and community members. Each course member will be required to maintain contact with a mentor, whose expertise and advice will be sought throughout the process. Evaluation will be based on diligence of effort during class sessions (the process) as well as on the paper and presentation of project (the product). ***Prerequisite: Prior to enrolling, students must submit a proposal in writing to the course instructor and/or administration. This will include a tentative thesis and a project design.***

LITERATURE AND PSYCHOLOGY CP**GRADES 10-12****2.5 CREDITS**

This course is designed to help the student become more aware of questions dealing with life experience. Philosophy and psychology are used as guidelines to raise questions that have no easy answers. In addition to teacher selected materials, such books as *Man's Search for Meaning* (Frankel), *David and Lisa* (Rubin), *Myths to Live By* (Campbell), *Siddhartha* (Hesse), *The Great Divorce* (Lewis), and *The Loneliness of the Long Distance Runner* (Sillitoe), are read and discussed to create a greater awareness of confronting crises, confronting different stages of life, and creating meaning out of life experiences.

CREATIVE WRITING CP**GRADES 10-12****2.5 CREDITS**

Both intellectual and emotional stimulation will be directed toward creative expression in writing. Students will experiment with different forms in poetry, narrative and drama, satires and editorials. Those who select this course should have a positive attitude toward this type of writing. Journal writing and writing for the media may be included.

NEWS WRITING AND MASS MEDIA CP**GRADES 9-12****2.5 CREDITS***(formerly titled PUBLICATIONS)*

While emphasis will be placed on developing writing skills, this course will also be a practical study of the modern mass media and the ways it affects our lives. Students will study the advent of American Media and the essential role it plays in preserving our democracy. Students will learn through the use of a variety of classroom experiences and the critical study of real examples of mass media such as professional publications and school publications. Creativity and originality will be encouraged. Grading will be based on written articles, reading assessments, and individual/team projects.

PUBLIC SPEAKING CP**GRADES 9-12****2.5 CREDITS**

Whether one is reticent or outgoing, this course is designed to help any student acquire and develop basic public speaking competencies. Among these are understanding the nature of communication, adapting to various speaking situations, and using argument and logical reasoning. The importance of good listening will be stressed as well as the need to take ethical considerations into account when preparing to speak. Different types of speech will be practiced, including impromptu, persuasive, and informative. Students will be engaged in informal speaking activities as well as formal ones, most of which will be evaluated through the use of rubrics. Students will keep a portfolio to reflect growth in their personal skill level.

ADVANCED PUBLIC SPEAKING CP**GRADES 9-12****2.5 CREDITS**

This course is for students who have completed Public Speaking and have an interest in continuing to learn and perform beyond the traditional genres of impromptu, declamation, informative, and persuasive speech. Students will use common theatre vocabulary while they engage in interpretive reading, theater “games,” and advanced speaking tasks.

Prerequisite: Public Speaking CP or permission from instructor with consideration given for extra-curricular experience.

SAT/ACT PREP VERBAL/MATH CP**GRADES 10-12****2.5 CREDITS**

The primary goal of this course is to help students in preparation for the SAT/ACT examinations. At the conclusion of this program, students will be able to:

- Understand and describe the structure of the SAT/ACT.
- Understand and describe directions for each question type on the SAT/ACT.
- Identify and describe their areas of strength and weakness and apply test-taking strategies.
- Describe how schools, colleges, and universities use the SAT/ACT results.
- Understand and describe how the SAT/ACT is scored.

ENGLISH AS A SECOND LANGUAGE CP**GRADES 9-12****2.5 CREDITS**

This course is designed for students who are not fluent in the English language. Emphasis is on the development of oral and written communication skills and reading comprehension. Placement and exit criteria for this course are determined by diagnostic testing. ESL meets the communications

requirement for high school graduation. Students may also elect to take other English courses as their skills develop.

FINE, COMPUTER & MEDIA ARTS

The fine and performing arts are viewed as basic to the education of every individual. Students need to learn to create and to critique with discrimination the products of the mind, the voice, the hand and the body. These disciplines are composed of a vast body of knowledge, skill, techniques and ideas that can be taught and learned. These skills enhance the learner by providing an additional method of expression and communication. Five credits of these courses satisfy the graduation requirement for Music/Technology/Fine Arts.

Fine Arts

Computer Art

Multi-Media Digital Communications

Design Fundamentals CP	Computer Art CP	Intro to Film Animation CP
Art 2 CP	Digital Imaging CP	Intro to Multi-Media Digital Communications CP
Art Major 1CP	Computer Animation CP	Advanced Multi-Media Digital Communications 1 CP
Advanced Placement Art	Commercial Art Publishing CP	Advanced Digital Communications 2 Honors
Ceramics & Sculpture 1 CP		
Ceramics & Sculpture 2 CP		
Advanced Ceramics		

DESIGN FUNDAMENTALS CP

GRADES 9-12

2.5 CREDITS

Design Fundamentals CP, a semester course, is a foundation course through which students refine their visual assessment of the world and develop their ability to represent it visually in a proficient manner. Students will work toward having an understanding of the elements and principles of design and how they are used in the creative process. ***This course is a prerequisite for all the Fine Art courses.***

ART 2CP

GRADES 10-12

5 CREDITS

Art 2 CP is a full year course exploring different media and design elements covered in Design Fundamentals. Students will work on projects in mediums such as: acrylic paint, watercolor paint, pencil, collage, charcoal, pastel, pen and ink. Emphasis will be placed on the development of a strong design sense and on improving technical skills. Critiques of work will be an integral part of the learning process. Students will be made aware of the numerous and varied art-related careers. Students successfully completing this course should have a good working knowledge of many of the applications and careers related to art as well as being able to determine a particular direction which appeals to them. ***Prerequisite: Design Fundamentals***

ART MAJOR 1 CP

GRADES 11-12

5 CREDITS

Art Major 1CP is a full year course for students considering a career in art or in an art related field, or for students who wish to continue to develop their skills and interest in the art field. Portfolio preparation will be a major focus of the course. Students will study various areas of art including Fine Art, Commercial Art and Art History. Technical accuracy, artistic skills, creativity and originality will be stressed. ***Prerequisite: Art 2 CP***

ADVANCED PLACEMENT ART**GRADE 12****5 CREDITS**

This course is designed for students who are seriously interested in the practical experience of art. Through portfolio developmental, students will demonstrate a fundamental competence and range of understanding in visual methods through the depth and breadth of individual pieces. Portfolios will be submitted to the College Board for review and evaluation according to set national standards.

Prerequisite: Art Major 1 CP and recommendation of art teacher OR portfolio review

CERAMICS & SCULPTURE 1 CP - SEMESTER**GRADES 9 -12****2.5 CREDITS**

This semester art course is a hands-on course for those students interested in gaining experience in another art medium. Three-dimensional design is the thrust in this course. Students interested in pursuing work with clay will enjoy this experience. Additionally, more serious art students will have the opportunity to enrich their portfolios through this sculpture experience.

CERAMICS & SCULPTURE 2 CP**GRADES 9-12****5 CREDITS**

Ceramics & Sculpture 2 CP is a full year elective which will allow a student more access to clay and the wheels (for throwing). Hand-building and molding techniques will be taught as well.

Prerequisite: Ceramics & Sculpture 1 CP

ADVANCED CERAMICS CP**GRADES 11-12****5 CREDITS**

Advanced Ceramics is a full year class to follow the Ceramics II. The goal of this class increase skills on the wheel as well as hand-building. A strong emphasis is placed on the student's ability to work independently. Students in these advanced classes will be scheduled into Ceramic I & II times/periods. This course is designed for students considering careers in an artist and/or craftsman, gallery owners, as well as future customers. This course will deliver a perspective on Clay by studying famous works and artists. Students will gain a greater understanding of ceramics by studying the material and finishing techniques and by stacking and loading kilns for firing. Students will work independently to develop a portfolio. **Prerequisite: Ceramics & Sculpture 1 CP and 2 CP**

COMPUTER ART CP**GRADES 9-12****2.5 CREDITS**

This course will offer an introduction to computer generated art. Working on a variety of illustration and design assignments, the students will learn how to translate their concepts into computer art created with the tools and techniques within Adobe software.

DIGITAL IMAGING CP**GRADES 9-12****2.5 CREDITS**

This course will offer an introduction into the world of digital imaging. The students will obtain the ability to manipulate and enhance digital images into unique works of art. Adobe Photoshop will be used as a tool to improve personal digital photographs, create surreal looking works of art, add special effects to images, merging numerous photos and art techniques into seamless art, transforming digital photography into traditional fine art effects and a multitude of digital alterations and enhancements.

COMPUTER ANIMATION CP**GRADES 9-12****2.5 CREDITS**

Students will have the opportunity to create animations using Adobe FLASH to make simple to advanced animations. Students will also learn how to title/morph animations on the computer.

Prerequisite: Computer Art or Digital Imaging (both are recommended)

COMMERCIAL ART PUBLISHING CP**GRADES 9-12****2.5 CREDITS**

This course will give students the opportunity to implement creative concepts, design principles and visual communication through the use of *Adobe Photoshop, Illustrator* and *InDesign*. A variety of diverse design, advertising and illustration projects will be created by the students.

Commercial Art is suggested prerequisite course for an anticipated A.P. Studio Art 2D course involving computer art and digital photography.

Prerequisite: Digital Imaging (or an individual portfolio review to evaluate the student's skills in Adobe Photoshop and Adobe Illustrator).

INTRODUCTION TO FILM ANIMATION**GRADES 9-12****2.5 CREDITS**

This course will cover the history of animation from its early beginnings to the animation of today. Students will learn the methods of animation (the process) and technique from working with clay, cut out, and puppet animation. This will be a completely hands on course working with methodology of animation.

INTRODUCTION TO MULTI-MEDIA DIGITAL COMMUNICATIONS CP**GRADES 9-12****2.5 CREDITS**

(formerly titled Introduction to Television Production)

This semester elective course is designed to give students a complete understanding of the procedures and techniques in the production of television and video programming, from original concepts to the actual production and broadcast. The course will review the essential tools of video production and demonstrate their use in achieving effective communication. Emphasis will be placed on production principles including camera techniques, video control, audio, editing, directing, design, graphics and scripting. Students will be taught how to produce and direct shows. The class will emphasize a hands-on approach throughout the year.

ADVANCED MULTI-MEDIA DIGITAL COMMUNICATIONS 1 CP GRADES 10-11 2.5 CREDITS
(formerly titled Advanced TV 1)

The goal of this full year elective course is to take previous television experience and apply it towards the creation of student produced and directed programming. The students having already learned basic production principles will now be placed in a situation where emphasis will be placed on the problems of television production.

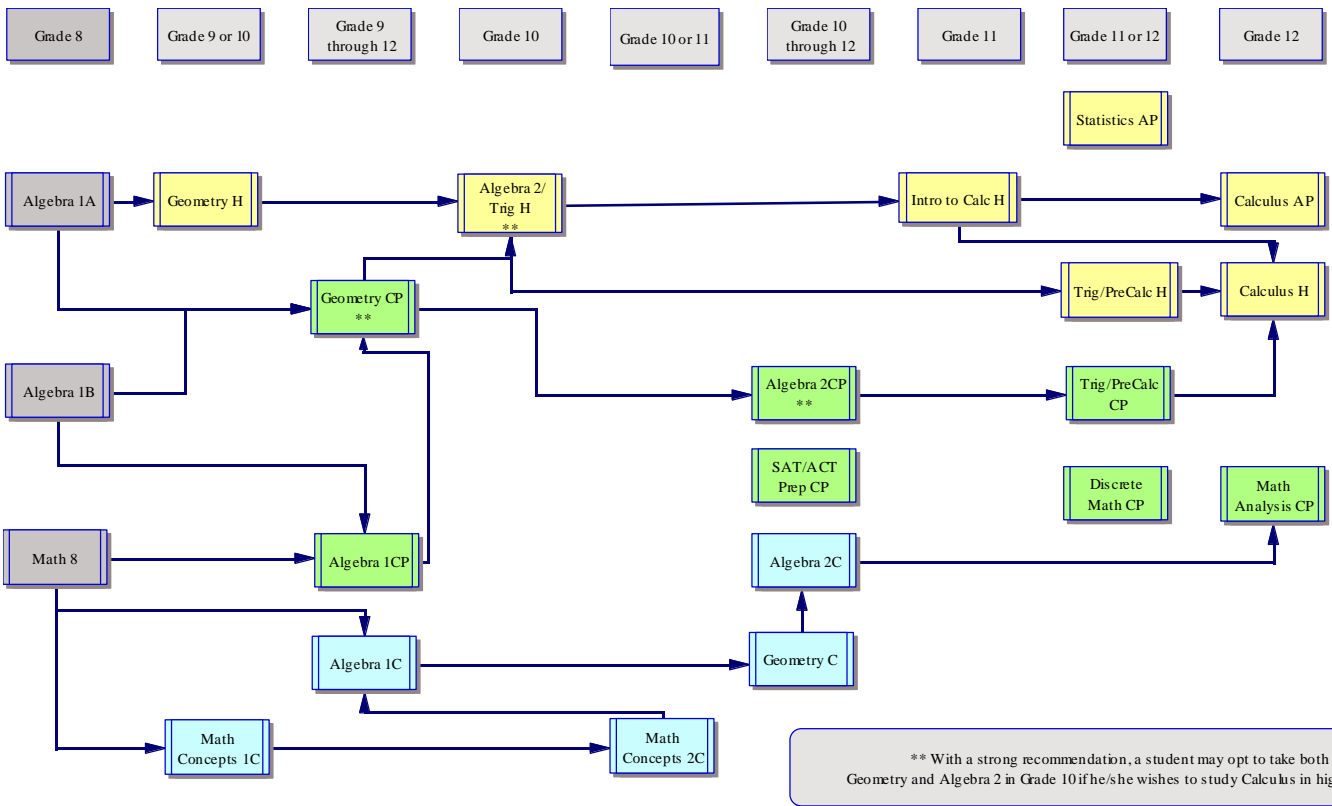
Prerequisite: *Introduction to Multi-Media Digital Communications*

ADVANCED MULTI-MEDIA DIGITAL COMMUNICATIONS 2 H GRADES 11-12 5 CREDITS
(formerly titled Advanced TV 2)

This course is an extension of Advanced Multi-Media Digital Communications 1 CP as students will become independent video producers, working on Public Access productions for the town, school and community. Higher levels of television production and editing techniques will be used in the production of the students work. Students will participate in film and video festivals, produce a portfolio of their work and understand that some work will be done after school hours to accommodate production schedules. **Prerequisite: *Advanced Multi-Media Digital Communications 1CP with a minimum grade of B and the recommendation of the instructor***

MATHEMATICS/COMPUTER SCIENCE

Kinnelon High School Math Department
Sequence Recommendation



ALGEBRA 1 CP**GRADES 9-12****5 CREDITS**

The first of a sequential academic series of mathematics electives, Algebra 1 introduces the formal theories that underlie many of the techniques learned in arithmetic. Topics include real and rational numbers and their relationships, set theory, algebraic expressions and operations, word problems, linear equations and simultaneous equations.

ALGEBRA 1C**GRADES 9-12****5 CREDITS**

This course is designed for those students who want to follow an academic sequence of mathematics courses, but at a less demanding pace than required in Algebra 1CP. The level of complexity of the problems is less rigorous than those in Algebra 1CP. A successful experience in this course is essential for the student who wishes to elect further work in mathematics in the C level curricula. **If a student excels in this course and wishes to change to the CP Level, independent work to address the differences in the CP and C algebra curricula must be completed before entering the CP level course.**

MATH CONCEPTS 1C**GRADES 9-10****5 CREDITS**

This course is a fundamental math course offered for a full year with two goals: complete the first year math requirement for high school graduation and provide a basic mathematical foundation so that a student may successfully continue the study of mathematics. The content of the course includes instruction in basic skills, pre-algebra, pre-geometry, and practical skills with a calculator.

GEOMETRY H**GRADES 9-10****5 CREDITS**

This course covers the same topics as Geometry CP but in more depth. The course also includes independent investigations involving data analysis. **Prerequisite: Recommendation of current instructor**

GEOMETRY CP**GRADES 9-12****5 CREDITS**

This course explores the structure of geometry based upon an abstraction of the physical world. Concepts of deductive proofs, angle relationships, and perpendicular line, parallel lines and planes, congruent and similar figures with emphasis on ratio and proportion, and coordinate geometry are developed and applied algebraically. Concepts of area and volume are also addressed.

GEOMETRY C**GRADES 10-12****5 CREDITS**

This course is designed for students who wish to continue their academic work in mathematics, but who need more focused attention to master geometric concepts. All of the major concepts involved in the study of geometry are covered; however, emphasis is placed on the application, rather than proof, of the concepts. Teaching strategies involving real-world connections and algebra review are infused throughout the curriculum.

MATH CONCEPTS 2C**GRADES 10-11****5 CREDITS**

The continuation of Math Concepts I C with emphasis on the application of arithmetic to everyday problems is the goal of the course. Basic concepts of algebra and geometry are explored.

ALGEBRA 2/TRIG H**GRADE 10****5 CREDITS**

Students in this course must be proficient in Algebra 1. Course topics include exponential and logarithmic functions, conic sections, complex numbers, permutations and combinations, and sequences. The second semester will be devoted to trigonometry. Topics include circular functions and their graphs, inverse functions, trigonometric equations, sum/difference/double/half angle formulas, identities, and applications. The pace is demanding and an emphasis is placed upon mathematical rigor and retention of concepts and techniques. **Prerequisite:** ***Recommendation of current instructor***

ALGEBRA 2 CP**GRADES 10-12****5 CREDITS**

This course is the extension of Algebra 1 CP. Emphasis is upon the development of insights into the structure of algebra as a deductive process. The content includes functions, axiomatic properties of the real number system, quadratic equations, radical equations, non-linear systems of equations, exponential functions, logarithmic functions, the conic sections, and complex numbers. ***Note: Any student wishing to enroll in Algebra 2CP who did not have Algebra 1CP or received a grade of a C- or lower in Algebra 1 CP, must seek the advice of his/her current teacher. Student performance in both Algebra 1 and Geometry will be considered in placement of Algebra 2 CP.***

ALGEBRA 2C**GRADES 10-12****5 CREDITS**

This course is designed for those students who have taken Algebra 1C and Basic Geometry C or who have had difficulty in Algebra I CP. Included in this study are topics such as quadratic systems, polynomial functions, radicals, and complex number systems.

INTRODUCTION TO CALCULUS H**GRADE 11****5 CREDITS**

This course is designed to give the students a rigorous introduction to limits, continuity, derivatives and application of these topics. Other units of study include polar coordinates, parametric equation, vectors and series and sequences. **Prerequisite:** ***Recommendation of current instructor***

TRIG/PRECALCULUS H**GRADES 11-12****5 CREDITS**

Advanced concepts of trigonometry are covered in this course. The concept of the limit of a function is introduced along with elementary differentiation and integration. Additional topics include vectors and complex numbers. **Prerequisite:** ***Recommendation of current instructor***

TRIG/PRECALCULUS CP**GRADES 11- 12****5 CREDITS**

This course is a continuation of Algebra 2 CP, with emphasis on the theoretical study of functions. It includes the study and the development of the mathematical concept of functions including

trigonometric, exponential and logarithmic, and polynomial. A semester will be devoted to trigonometry. Topics include circular functions and their graphs, trigonometric equations, sum/difference/double/half-angle formulas, identities, and applications.

CALCULUS AP

GRADE 12

5 CREDITS

This is a college level calculus program for those accelerated students who have maintained a B average in Introduction to Calculus. The concepts are covered in more depth than Calculus H. Additional topics include volumes of revolutions, infinite series, polar coordinates, advanced techniques of integration, and an introduction to vector calculus. This course is a preparation for the Advanced Placement Examination in Calculus BC administered by the College Entrance Examination Board, a course requirement. **Prerequisite: Recommendation of current Introduction to Calculus H math instructor.**

CALCULUS H

GRADE 12

5 CREDITS

This is an advanced course for those students who have completed either Trig/PreCalc H, Trig/PreCalc CP, or Introduction to Calculus H. The course covers material of a first semester college calculus program. The major areas of concentration are the theory of limits, differential calculus and its applications, and integral calculus and its applications. **Prerequisite: Recommendation of current instructor**

MATH ANALYSIS CP

GRADE 12

5 CREDITS

Math Analysis CP is designed for seniors who will not major in mathematics or science in college. The main objective of this course is to strengthen and extend the concepts of algebra, geometry, and problem solving. The course will integrate ideas of functions and trigonometry. . Many world-life applications will be shown. Additionally, it will also provide a short SAT review. **Prerequisite: Completion of Algebra 2CP with a grade of C or D, OR successful completion of Algebra 2C**

DISCRETE MATH CP

GRADES 11-12

5 CREDITS

This course is offered as an elective for students who have completed Algebra 2 and wish to supplement their mathematical background. Discrete mathematics is a rapidly expanding mathematics with broad and significant applications to a wide range of problems. The topics covered will help students understand how mathematics is connected to other disciplines and applicable to today's world. Problem solving is emphasized and such topics as linear programming, matrices, probability, methods of counting, and graph theory are developed.

SAT/ACT PREP VERBAL/MATH CP**GRADES 10-12****2.5 CREDITS**

The primary goal of this course is to help students in preparation for the SAT/ACT examination. At the conclusion of this program, the student will be able to

- Understand and describe the structure of the SAT/ACT
- Understand and describe directions for each question type on the SAT/ACT
- Identify and describe his/her areas of strength and weakness and apply test-taking strategies.
- Describe how schools, colleges, and universities use the SAT/ACT results.
- Understand and describe how the SAT/ACT is scored.

STATISTICS AP**GRADES 11-12****5 CREDITS**

Statistics is an Advanced Placement course offered on the high school level that is equivalent to a one-semester, introductory, non-calculus-based college course. A college-level course in statistics is commonly required for majors in business administration, accounting, marketing, economics, management, computer science, and others. Students enrolled in this course will be prepared for and required to take the Advanced Placement Examination.

Prerequisite: Recommendation of current instructor; completion of Algebra 2/Trig H and concurrent enrollment in Trig/Precalculus H

COMPUTER SCIENCE

Computer Science instruction is offered to students in grades 10, 11 and 12. The purpose of computer studies is to give students the opportunity to:

- Understand the power, capabilities and limitations of the computer.
- Understand that the computer is a tool designed to help individuals perform better in educational, consumer and business settings.
- Learn computer-programming languages and apply programming techniques to problem solving in the fields of business, social sciences, science, and mathematics.
- Develop mechanical communication and problem solving skills while working in a laboratory environment on individual and group projects.

COMPUTER PROGRAMMING 1CP

GRADES 10-12

2.5 CREDITS

This course is designed to introduce programming concepts and techniques using Visual Basic. Topics include subscripted variables, sorting algorithms, string manipulation and table manipulation. This course must be scheduled with Computer Programming 2 CP in the same year. ***Math recommendation: Completion of Algebra 1 and Geometry***

COMPUTER PROGRAMMING 2 CP

GRADES 10- 12

2.5 CREDITS

This course extends the concepts of Computer Programming I CP with an introduction to intermediate data structures, procedural structures and problem analysis.

Prerequisite: *Computer Programming 1CP*

COMPUTER SCIENCE AP

GRADES 11-12

5 CREDITS

This course is the study of structured programming using the Java language. The content of the course is based upon the Advanced Placement Course Description published by the College Board. It will include data structures and numerical algorithms. Students enrolled in this course will be prepared for and required to take the Advanced Placement Examination.

Prerequisite: *Completion of Computer Programming course and Recommendation of AP programming instructor*

MUSIC

The goals of the music program include individual development, ensemble development, aesthetic awareness and public performance. Band and choir are music performance courses that satisfy the Music/Technology/Fine Arts requirement for high school graduation. The student accepts the in-school and out-of-school obligation of participation as integral components of his/her experience in the study of music. Co-curricular opportunities exist for students involved in the music program. These include selected outside ensembles and educational and performance travel.

MUSIC SEQUENCE

CHOIR (CP) AND CONCERT BAND (CP) MAY BE TAKEN IN GRADES 9 – 12
WIND ENSEMBLE (HONORS) AND CHAMBER SINGERS (HONORS)
ENSEMBLE WORKSHOP (9-12) IS A COLLEGE PREPARATORY ELECTIVE RECOMMENDED FOR STUDENTS WHO ARE CONTEMPLATING CONTINUING THE STUDY OF MUSIC IN COLLEGE
MUSIC THEORY HONORS (9-12) IS AN HONORS LEVEL ELECTIVE RECOMMENDED FOR STUDENTS WHO ARE CONTEMPLATING CONTINUING THE STUDY OF MUSIC IN COLLEGE.
AP MUSIC THEORY IS A COLLEGE LEVEL COURSE RECOMMENDED FOR STUDENTS WHO ARE CONSIDERING A MAJOR IN A MUSIC AREA

CHAMBER SINGERS (HONORS)

GRADES 9-12

5 CREDITS

Chamber Singers is the advanced vocal ensemble of Kinnelon High School. Students will perform advanced choral music while improving vocal technique, improving musical knowledge and skills, and exploring different genres of music. Members of Chamber Singers are required to perform in all scheduled concerts, local gigs, and rehearsals, including those that take place outside of the school day. Students will also be required and encouraged to audition for choirs and activities outside of the KHS Choir program, including the KHS Musical, area honors choirs, voice lessons, etc. ***Prerequisite: All students must be approved by the choir director by means of audition. Ninth graders may be recommended in the ensemble through a combination of audition and recommendation from the Eighth Grade Choral Director.***

CHOIR CP

GRADES 9-12

5 CREDITS

Choir, a vocal training ensemble, emphasizes vocal development, sight singing and choral ensemble techniques, while students gain musical knowledge. Student auditions are not required. Students selecting this course will be taught how to match pitches and sing in tune. Choir members are required to perform in all scheduled concerts and rehearsals. Opportunity for solo work, piano accompanying, and other advanced work is available. Choir members are also eligible to audition for County, Region, and All-State groups.

WIND ENSEMBLE (HONORS)

GRADES 9-12

5 CREDITS

Throughout the year, students will explore musical techniques through the learning and performance of a variety of different styles of instrumental music. Students will be required to research and understand the historical significance of works and the thematic construction of the music. They will

be involved in deconstructing the music to its basic theoretical components. They will be presented with new approaches to technique, and will be required to approach a piece of music from both a literal and metaphysical stance. The students will learn about basic music theory to further increase their knowledge, understanding and appreciation of the music. Students will be exposed to a variety of different styles and genres of music including major classical works, contemporary music, twelve-tone music, serial composition, popular music, movie music, show tunes and many others.

Prerequisite: Students must have been playing their instrument for a minimum of 3 years, and must be approved as proficient by the director by means of audition. Ninth graders may be recommended in the ensemble through a combination of audition and recommendation from the Eight Grade Band Director.

CONCERT BAND (CP)

GRADES 9-12

5 CREDITS

The band studies music for purposes of skill development, cultural awareness and for public performance. Band satisfies many student, school and community needs and is both a curricular/co-curricular activity. Attendance at instrumental lessons scheduled once a week is mandatory. Selected students may also perform in a Wind Ensemble. Opportunities are available for Pep Band, Chamber Music Ensemble, Jazz Ensemble and the Pit Orchestra for the school musicals. Band members are also eligible to audition for Area, Region and All-State Groups. ***Prerequisite: The ability to play a concert band instrument at a basic high school level***

CONTEMPORARY ENSEMBLE WORKSHOP

GRADES 9-12

2.5 CREDITS

(formerly Music Technology)

Students will form ensembles in order to collaborate in instrumentation, lyric writing, music writing, arranging, and managing. Additionally, students will learn basic music theory and other related technology aspects of musical performance. Course requirements include attending a concert outside of Kinnelon High School, performance at a school or community function, and production of an album as a culminating project.

MUSIC THEORY HONORS

GRADES 9-12

5 CREDITS

This full year course is designed for those students wanting a first-year collegiate music theory education. Students will develop a musical knowledge and fluency, develop a strong musical ear, and become analytical consumers and creators of music. Music Theory I will integrate the study of melody, harmony, texture, rhythm, and form. Course study will be devoted to the analysis of notated examples, the introduction to and development of aural skills, sight-singing, keyboard harmony, part-writing, and harmonization. Through this course, students will be able to have a better understanding as to the “why” of music as well as the “what”. Music Theory students will develop a unique combination of intellect, discipline and creativity which are all integral parts of the development of musicianship. Music Theory I is a course designed as the first level of a two-year Music Theory program that will culminate with the completion of the AP Music Theory Exam.

ADVANCED PLACEMENT MUSIC THEORY

GRADES 10-12 5 CREDITS

Advanced Placement Music Theory is a course which tests students understanding of musical structure and compositional procedures through recorded and notated examples. Strong emphasis is given to listening skills, particularly those involving recognition and comprehension of melodic and rhythmic patterns, harmonic functions, small forms, and compositional techniques. The AP examination, a course requirement, assumes fluency in reading musical notation and a strong grounding in music fundamentals, terminology and analysis. ***Prerequisite:*** Recommendation of music instructor and successful completion of Music Theory Honors course.

PHYSICAL EDUCATION & HEALTH

Physical education and health are required for each year of attendance as mandated by the State Department of Education. Physical education is taken for three marking periods and health for one marking period.

PHYSICAL EDUCATION 1-4 CP

Grades 9-12 3 (Lab) or 3.75 Credits

Each course will present fundamentals and techniques in various phases of physical education. The program is designed to meet the needs of the individual as well as the class as a whole. An emphasis is placed on the development of a positive mental attitude toward exercise and physical activity. Instruction is provided in games and activities that are beneficial to the student's knowledge and understanding of these activities. Students participate in activities that stress present physical fitness and carry-over activities needed for maintaining a level of fitness in later years. These activities include: touch football, soccer, ultimate Frisbee, floor hockey, distance running, paddleball, volleyball, indoor soccer, handball, team handball, pickle ball, weight training, softball, track and field, badminton, basketball, lacrosse, aerobics, archery and Adventure Activities.

Physical Education 1 CP - Emphasis in the 9th grade will be placed on physical conditioning and the development of an individual work program. Students will participate in the program "Looking Good/Feeling Good" which will emphasize the importance of mental and physical fitness and a positive approach to physical activity. Students will participate in the Presidential Physical Fitness Test and a variety of activities that help develop individual fitness. Students will also begin Project Adventure Activities in grade 9 to develop social skills, mutual trust, group initiative and problem solving. This is a classroom and activities course.

Physical Education 2 CP - Physical Education in grade 10 continues and expands on the concepts of individual fitness learned in grade 9. Students participate in the Presidential Physical Fitness Test and the next level of Project Adventure. Emphasis is placed on physical fitness and positive self-esteem. Students are encouraged to make proper decisions regarding exercise and their health. Instruction and participation in various games and activities are provided. This is a classroom and activities course.

Physical Education 3 and 4 CP- Students in grades 11 and 12 will participate in a wide variety of individual and team activities while continuing to develop the concepts of individual fitness and positive self-esteem. Students will participate in a unit of physical conditioning and participate in the Presidential Physical Fitness Test. Students will also participate in individual and team activities with an emphasis on carry-over activities. Students will participate in an elective program but must participate in six individual and six team activities in these two years. Project Adventure can be an elective applied to either of these activities.

HEALTH 1-4 CP

Grades 9-12 1(Lab) or 1.25 credits

Comprehensive health and physical education programs encourage students to take responsibility for their own lives by acting conscientiously in the present and by establishing positive health practices that will support and enhance lifelong wellness.

The health program has sequential units consisting of: Family life, wellness and substance abuse to achieve health literate students.

HEALTH 1 CP

Grade 9

1.25 credits

Family life centers upon the biological and social aspects of human sexuality. The structure, function, care and problems of the male and female reproduction system are emphasized. To maintain wellness, the diagnosis, transmission, treatment and prevention of sexuality-transmitted diseases is discussed. Substance abuse focus is on the physical, mental, emotional, and social effects of tobacco, alcohol and drugs.

HEALTH 2 CP

Grade 10

1.25 credits

Wellness encompasses the education of safe prospective drivers. Thirty hours of classroom instruction on the fundamentals of driving is required prior to the student administration of the New Jersey written driver's test. Substance abuse identifies the harmful effect of driving under the influence and consequences of high-risk behaviors.

HEALTH 3 CP

Grade 11

1(Lab) or 1.25 credits

This course will stress the value of proper nutrition and exercise to achieve a high level of wellness. Focus will be on the addictive personality and the effects of alcohol, tobacco and drugs on the body. Students will also learn CPR and First AID techniques.

HEALTH 4 CP

Grade 12

1(Lab) or 1.25 credits

Family health is addressed in this course. This course emphasizes the importance of strengthening relationships and seeking support during times of crisis. Family management, child development, and the life cycle are studied. Causes and treatments for cancer, alcoholism, drug addiction and AIDS are also explored.

HEALTH ELECTIVE

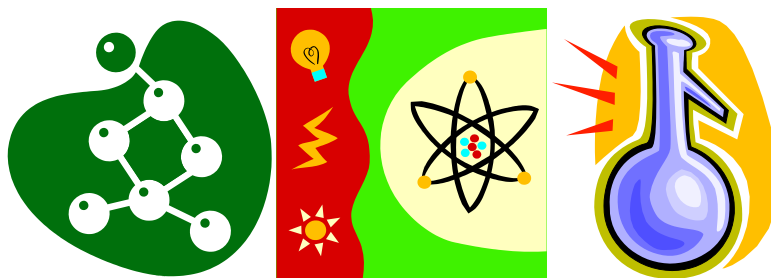
NUTRITION CP

Grades 10-12

2.5 credits

This course is designed to give students a comprehensive view of nutrition as it relates to the learning process, weight management, and student wellness. Course topics include: nutrition as it relates to the individual, an overview of macro and micronutrients, the importance of water to general health, weight management, nutrition and the stress response, essential habits of good eaters, variations of the food guide pyramid, fad diets, childhood obesity, the school food culture, and how nutrition affects learning process.

SCIENCE

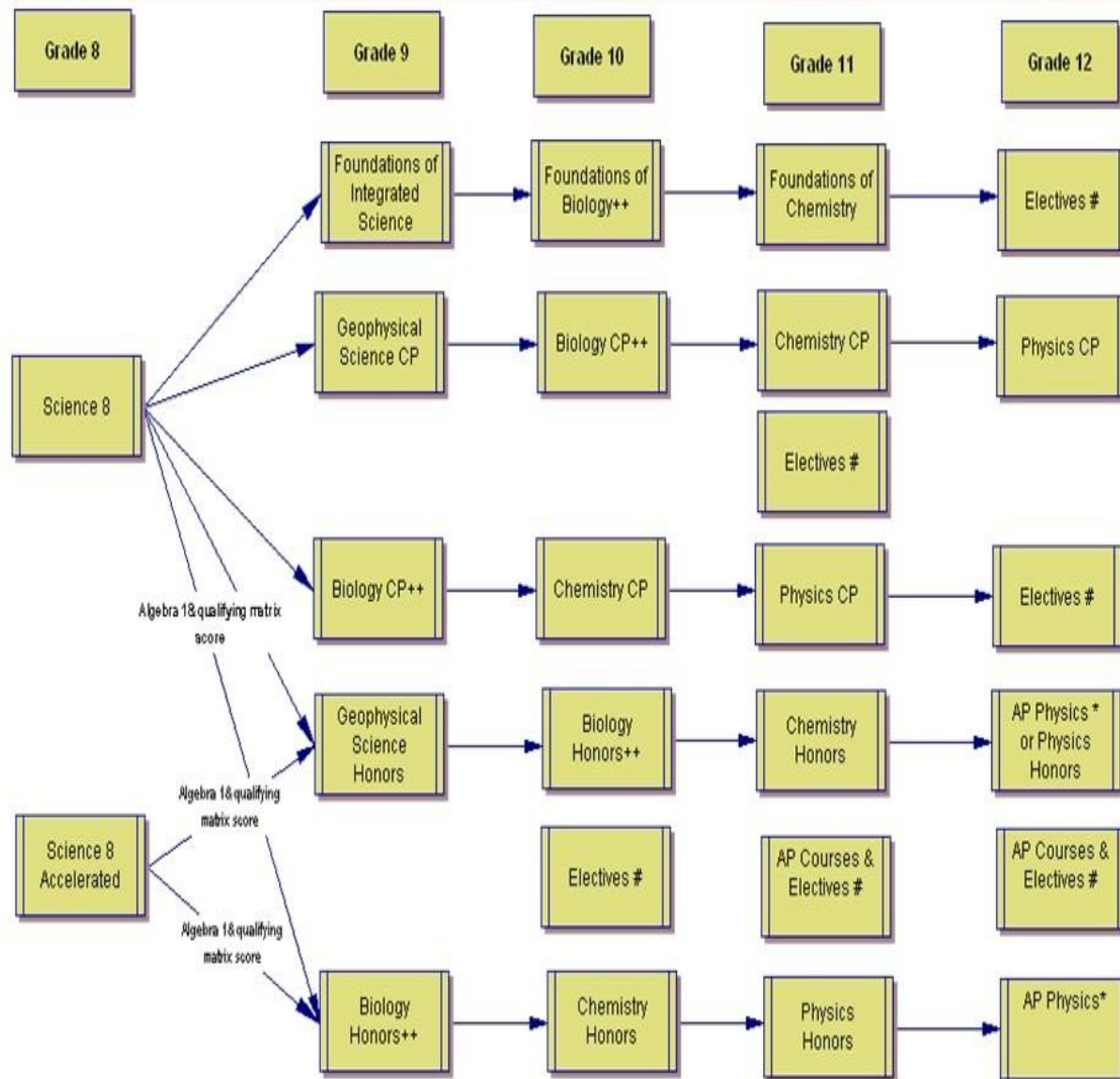


Education in the sciences should enable students to recognize the importance of basic scientific research and the application of scientific concepts to their lives. The science program is designed for both the science-oriented student and the student whose interests lie in other fields. The program offers courses that encompass all laboratory sciences. Biology, chemistry, physics and environmental science are also offered on the Advanced Placement level. Students are required to successfully complete three years of science to meet graduation requirements. All courses are considered lab courses and are college preparatory in nature.

New Jersey is one of 26 states moving towards requiring all high school students to take specific courses in mathematics and science and redesigning high school assessments to include end-of-course tests. In 2005, the department surveyed all public high schools to determine local graduation requirements. Based on the 2005 graduating class, 70 percent of the schools responding required all students to take a course in biology/life science. Therefore, all New Jersey public high school students, regardless of grade level, who are enrolled in a biology course any time during the school year or preceding summer, must participate in the administration of the New Jersey Biology Competency Test (NJBCT). For this reason, we suggest that carefully consideration is paid to the ninth grade science course.

While there are multiple pathways for science at Kinnelon High School as can be seen on the schematic on the next page, the NJBCT will include the content areas of environmental science and biology. The test also includes a Performance Task Assessment which will require students to spend time assessing a problem and developing solutions to that problem. Our recommendation is that most students will be best prepared for this test by electing Geophysical Science in grade 9 and Biology in grade 10. In our evaluation of all of the indicators the state will be testing, election of these two courses will better prepare students in the science content and science process skills which the test emphasizes. By following this sequence, students may then take Chemistry in grade 11 and Physics in grade 12. This sequence will prepare students in all of the core disciplines in science and provide a complete sequence of lab sciences for college admissions officers to consider.

**Kinnelon High School
Science Sequence Flow Chart
2010-2012**



++ Students must take the Biology End-of-Course Assessment (HSPA Science)

AP Science Courses & Electives: Read course descriptions for prerequisites
 AP: Biology, Chemistry, Environmental Science & Physics
 Electives: Comparative Physiology Honors, Contemporary Topics in Biology, Forensic Science, Environmental Science & Selected Topic in Science

***AP Physics 2010-2011 - AP Physics C - Mechanics**
 As of 2011-2012 Students who enter 9th grade in Geophys Honors will progress to AP Physics C Mechanics or Physics Honors. Students who enter 9th grade in Bio H will progress to AP Physics C *Mechanics with Electricity and Magnetism*

This diagram created using Inspiration® 7.6 by Inspiration Software®, Inc.

GEOPHYSICAL SCIENCE HONORS**GRADE 9****5 CREDITS**

This integrated course focuses on understanding the Earth as a number of interrelated systems, integrating content and processes from traditional Earth Science and the physical sciences. The content, ideas, and activities within this course curriculum will be implemented using a hands-on/minds-on approach. The dynamics of the Earth system and the relationships among its many subsystems are investigated through field experiences, lab experiences and data collection, which incorporates a multi-sensory approach for each student. Physical science concepts necessary for the understanding of nature are taught through a study of the Earth's subsystem in which they operate. ***Prerequisites: Students must have successfully completed Algebra 1 and qualify through a placement matrix that incorporates the following measures: 8th grade Science grade, 8th grade teacher recommendation, NJ ASK scores and Reading Lexile scores.***

GEOPHYSICAL SCIENCE CP**GRADE 9****5 CREDITS**

This integrated course focuses on understanding the Earth as a number of interrelated systems, integrating content and processes from traditional Earth Science and the physical sciences. The content, ideas, and activities within this course curriculum will be implemented using a hands-on/minds-on approach. The dynamics of the Earth system and the relationships among its many subsystems are investigated through field experiences, lab experiences and data collection, which incorporates a multi-sensory approach for each student. Physical science concepts necessary for the understanding of nature are taught through a study of the Earth's subsystem in which they operate. ***Prerequisite: Recommendation of 8th grade science teacher.***

FOUNDATIONS OF INTEGRATED SCIENCE**GRADE 9****5 CREDITS**

The focus, content, ideas and activities for this foundational science course are the same as for Geophysical Science CP. In this course, however, the physics concepts and laws requiring mathematically rigorous calculations are taught more descriptively than algebraically. Other modifications are made in instructional strategies to accommodate individual learning styles. ***Prerequisite: Recommendation of 8th grade science teacher.***

BIOLOGY HONORS**GRADES 9 & 10****5 CREDITS**

Biology focuses on the diversity, complexity, and interdependence of life on Earth. Students will develop an understanding of how organisms evolve, reproduce, and adapt to their environments. This will include an exploration of how to relate the structure and function of molecules to their role in cell biology and metabolism. Further understanding of the evolution and reproduction will be explored through the science of genetics. Knowledge of biodiversity and adaptation will be illustrated through the science of ecology. This course was developed for the students interested in pursuing a biological/science career. These students are mandated to take the New Jersey Biology Assessment at the end of the course. ***Prerequisites: Students entering 9th grade: Students must have successfully completed Algebra 1 and qualify through a placement matrix that incorporates the following measures: 8th grade Science grade, 8th grade science teacher recommendation, NJ ASK scores and Reading Lexile scores.***

Students entering 10th grade- Completion of Geophysical Systems H and Algebra 1 with minimum grade of B, and teacher recommendation.

BIOLOGY CP**GRADES 9 & 10****5 CREDITS**

Biology focuses on the diversity, complexity, and interdependence of life on Earth. Students will develop an understanding of how organisms evolve, reproduce, and adapt to their environments. This will include an exploration of how to relate the structure and function of molecules to their role in cell biology and metabolism. Further understanding of the evolution and reproduction will be explored through the science of genetics. Knowledge of biodiversity and adaptation will be illustrated through the science of ecology. These students are mandated to take the NJ. Biology Competency Test at the end of the course.

Prerequisite: Students entering 9th grade: Minimum grade of B in 8th grade Science.

FOUNDATIONS OF BIOLOGY**GRADE 10****5 CREDITS**

The focus, content, ideas and activities for Biology foundations are the same as for Biology CP. In this course, however, the chemistry and molecular biology concepts involving algebraic calculations and more abstract visualizations are taught more descriptively. Other modifications are made in instructional strategies to accommodate individual learning styles. **Prerequisite: Recommendation of current instructor.**

COMPARATIVE PHYSIOLOGY HONORS**GRADES 10-12****5 CREDITS**

Comparative Physiology aims to provide the students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. This course includes an in depth treatise of: The Themes in the Study of Life; Prokaryotic Origins and Metabolic Diversity; Plant Diversity; Control Systems in Plants; Fungi Diversity; Animal Evolution; and Comparative Animal and Human organ systems physiology. **Prerequisites: Minimum grade of B in Biology H or a minimum grade of A in Biology CP and concurrent enrollment in Chemistry.**

BIOLOGY AP**GRADES 10-12****6 CREDITS**

Advanced Placement Biology differs significantly from other biology courses with respect to the kind of textbook used, the depth and range of topics covered and the kind of laboratory work done by students. AP Biology aims to provide students with the conceptual framework, factual knowledge, and analytic skills necessary to deal critically with the rapidly changing science of biology. This course includes an in-depth treatise of: molecules and cells (biological chemistry, cells, and energy transformations), genetics and evolution (molecular genetics, heredity and evolution), and organisms and populations (principles of taxonomy and systematics, survey of kingdoms, human physiology, and ecology). Students are required to take the AP exam.

Prerequisites: Minimum grade of B+ in Biology H and successful completion of or concurrent enrollment in Chemistry. A summer assignment is required.

CONTEMPORARY TOPICS IN BIOLOGY CP**GRADES 11-12****5 CREDITS**

Contemporary Topics in Biology examines the need for science, technology and society to work together to achieve a balanced relationship between humans, their health and their environment in the 21st century. The course will focus on learning about and attempting to solve such environmental problems as the loss of biodiversity, biome destruction, and the human impact on ecosystems. Other topics examined will be human health problems such as viral diseases, cancer, brain injury and diseases, infectious diseases, and bioterrorism. Recent medical and technological advances to help solve these problems will be discussed. Seniors will be given priority in scheduling this class. **Prerequisites: Successful completion or concurrent enrollment in chemistry and teacher recommendation.**

SELECTED TOPICS IN SCIENCE**GRADES 11-12****5 CREDITS**

This survey course will look at current, practical, and applied topics in science from the fields of astronomy, biology, chemistry, earth science, the environment, and physics. This course is recommended for students in the foundations of science pathway who desire a fourth year of science. **Prerequisites: Successful completion of Foundations of Integrated Science, Foundations of Biology, and Foundations of Chemistry (for students entering 9th grade in 2010 and beyond)**

CHEMISTRY HONORS**GRADES 10-12****5 CREDITS**

The main focus is for students to develop a working knowledge of the physical world. This will include an understanding of atoms and their components, as well as the formation of bonds and the interactions between molecules. Energy and matter are discussed as students are lead to an understanding of reactions and their importance to life. Emphasis will be equally placed on conceptual understanding, mathematical computations, and hands-on application (laboratory experiments). The topics in Chemistry H will include those mentioned above, but will also cover reaction rates, reversible reactions, acids and bases, nuclear reactions, electrochemistry and organic chemistry. **Prerequisite: Biology H, or minimum grade of A in Biology CP with teacher recommendation. Students need to have completed or concurrent enrollment in Algebra 2.**

CHEMISTRY CP**GRADES 10-12****5 CREDITS**

The main focus of Chemistry CP is for students to develop a working knowledge of the physical world. This will include an understanding of atoms and their components, as well as the formation of bonds and the interactions between molecules. Energy and matter are discussed as students are lead to an understanding of reactions and their importance to life. Emphasis will be equally placed on conceptual understanding, mathematical computations, and hands-on application (laboratory experiments). **Prerequisite: Concurrent enrollment in at least Geometry CP, or completed Algebra 2C with a minimum grade of B and teacher recommendation**

FOUNDATIONS OF CHEMISTRY**GRADES 11-12****5 CREDITS**

The focus, content, ideas and activities for Foundations of Chemistry are the same as for honors and college prep chemistry. In this course, however, the chemistry concepts involving algebraic calculations and more abstract visualizations are taught more descriptively. Other modifications are made in instructional strategies to accommodate individual learning styles. **Prerequisite: Recommendation of current instructor.**

CHEMISTRY AP**GRADES 11-12****6 CREDITS**

This course is designed to provide the equivalent of a first year college-level chemistry course. Students will attain a depth of understanding of fundamentals and competence in dealing with chemical problems. Students will also be provided with a laboratory experience equivalent to that of a typical college course. This course will prepare the students for the national AP exam in Chemistry. ***Prerequisites: Chemistry H, teacher recommendation and concurrent enrollment in Trig/Pre Calculus or a higher level mathematics course. Intensive summer assignment is required.***

ENVIRONMENTAL SCIENCE CP**GRADES 11-12****5 CREDITS**

Environmental Science covers major environmental topics such as acid rain, global warming, pollution, and renewable and non-renewable energy sources. The interdependence of earth's systems, the human population, the loss of biodiversity and the trade-offs between the environment and society will be studied. The course includes laboratory and field investigations. ***Prerequisite: Concurrent enrollment or completion of chemistry and teacher recommendation.***

ENVIRONMENTAL SCIENCE AP**GRADES 11-12****6 CREDITS**

Advanced Placement Environmental Science covers major environmental topics such as acid rain, loss of biodiversity and global warming. The interdependence of earth's systems, human population dynamics, renewable and nonrenewable resources, environmental quality, global changes and the trade-offs between environment and society are studied through extensive and in-depth laboratory and field investigations. Students will acquire skills in specific techniques and procedures, conduct long-term studies and analyze data while applying their knowledge to situations in the real world. Students are required to take the AP exam. ***Prerequisite: Completion or concurrent enrollment in Chemistry and Algebra 2 and teacher recommendation. Summer assignment required.***

FORENSIC SCIENCE CP**GRADES 11-12****2.5 CREDITS**

Forensic Science CP is designed for students who are interested in the practical application of science and math in solving crimes. Students are trained in analysis of physical evidence including fingerprint analysis, trace evidence, document analysis, ballistics, blood analysis, DNA and toxicology. Students will have the opportunity to work independently on some projects while working cooperatively with peers to analyze, solve and communicate findings from mock criminal situations. The final project in this course will involve students in the creation of their own crime scene and the processing, analysis and reporting of a crime scene developed by their peers. This is a half year course – course offering dependent upon staffing. ***Prerequisite: Successful completion of Chemistry and teacher recommendation.***

PHYSICS HONORS**GRADES 11-12****5 CREDITS**

This course is an algebra/trigonometry based physics program covering the traditional topics of kinematics, dynamics, energy, momentum, wave motion, sound, light and electricity. The course combines laboratory experiments, demonstrations and problem solving to grasp the fundamentals of each topic. A strong background in mathematics is needed. ***Prerequisites: Minimum grade of B in current year Science AP or Honors course, concurrent enrollment in Calculus H and teacher recommendation.***

PHYSICS CP**GRADES 11-12 5 CREDITS**

This course is about the nature of basic things such as motion, force, energy, matter, sound, light, electricity and the composition of atoms. The course emphasis is on the comprehension of concepts before calculation. Laboratory experiments, demonstrations, applications to daily life and current topics in physics provide students with an appreciation of this most basic science.

Prerequisites: Concurrent enrollment in Algebra 2 CP or completed Algebra 2C with minimum grade of B and teacher recommendation.

PHYSICS AP C Mechanics**GRADE 12****6 CREDITS**

Physics AP serves as the foundation for students planning to major in the physical sciences or engineering. It is the equivalent of one semester of a first year calculus based college physics class. It also serves as a preparation for students planning to take the AP Physics "C" Mechanics exam.

Prerequisite: Student is concurrently enrolled in AP Calculus, completed Intro to Calculus with a grade of A and have a grade of A in junior year AP or honors science course, or the recommendation of their science teacher(s). This is a first year physics course for students who enrolled in Geophysical Systems honors in their freshman year. The course is not open to students who have completed one year of Physics H.

PHYSICS AP C Mechanics, Electricity & Magnetism**GRADE 12****6 CREDITS**

Physics AP serves as the foundation for students planning to major in the physical sciences or engineering. It is the equivalent of a first year calculus based college physics course. The course is a second year physics course, which serves as preparation for students planning to take the AP Physics "C" Mechanics exam and the Electricity and Magnetism exam. This class may meet one day of the four day rotation from 6:55 a.m. to 7:25 a.m. on the day of the rotation when AP physics is the first block of the day. This serves as the lab period.

Prerequisite: Student has completed physics H with a grade of A and is concurrently enrolled in AP Calculus, completed Intro to Calculus with a grade of A, or has the recommendation of their science teacher(s).

SOCIAL STUDIES

The Social Studies program seeks to develop the basic knowledge, attitudes and skills necessary for active participation in our democratic society. The successful completion of World History/Cultures, U.S. History I and U.S. History II are required for graduation. Advanced Placement offerings are available in U.S. History I and II, American Government & Politics, and European History. Other electives are made available to satisfy students' interests.

SOCIAL STUDIES COURSE SEQUENCES

SEQUENCE 1	SEQUENCE 2	SEQUENCE 3	ELECTIVES GRADES 11-12
World History/ Culture H (Grade 9)	World History/ Culture H (Grade 9)	World History/ Culture CP (Grade 9)	ADVANCED PLACEMENT LEVEL
U.S. History 1 Pre-AP HONORS (Grade 10)	U.S. History 1 H (Grade 10)	U.S. History 1 CP (Grade 10)	American Government & Politics AP
U.S. History 2AP (Grade 11)	U.S. History 2 H (Grade 11)	U.S. History 2 CP (Grade 11)	European History AP
			COLLEGE PREP LEVEL
			Culture of American Sport
			Economics
			Ethics
			History of American Crafts, Arts, and Architecture
			Music in American History
			Sociology

WORLD HISTORY/CULTURES H /CP

GRADE 9

5 CREDITS

World History/Cultures is a required survey course especially designed for ninth graders with a major focus on the developments in world history from 1750 to the present. Both a chronological and thematic approach will be used to foster an understanding of the world today through the use of primary documents. **Honors level students will be expected to have a high level of reading and writing proficiency and the recommendation of both their Social Studies and English teachers.**

U.S. HISTORY 1 PRE-AP HONORS & 2 AP**GRADES 10-11****5 CREDITS EACH**

This course sequence is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and materials in United States History. This program will prepare students for intermediate and advanced college courses by making demands upon them equivalent to those of full-year introductory college courses. Students will learn to assess historical materials - their relevance to a given interpretive problem, their reliability, and their importance - and to weigh the evidence and interpretations presented in historical scholarship. The Advanced Placement United States History course will develop the skills necessary to arrive at conclusions on the basis of an informed judgment, and to present ideas clearly and persuasively in essay format. The AP course will provide students with knowledge of primary sources, including documentary material, maps, statistical tables, and pictorial and graphic evidence of historical events. Students will learn to take notes from both printed materials and lectures or discussions, write essay examinations, and write analytical and research papers. They will learn to express themselves with clarity and precision and know how to cite sources and credit the phrases and ideas of others. The U.S. History 1 Pre-AP Honors course is a prerequisite for U.S. History 2AP. These courses are preparation for the AP Examination in U.S. History, a course requirement.

Prerequisite for US History Pre-AP 1 Honors : B in World History/Cultures H and recommendation of current social studies instructor.

Prerequisite for US History 2AP: Minimum grade of B in US History 1Pre-AP Honors and recommendation of current social studies instructor.

U. S. HISTORY 1H & CP**GRADE 10****5 CREDITS**

This college preparatory course begins with the founding of the colonies in the New World and ends in the post Civil War Era. Taught in chronological sequence, U.S. History I is designed to help the student understand and appreciate the historical development of the American culture. The study of geography, religion, art, politics, economies, science, ethnic groups, and current events are integral parts of this course.

Prerequisite for H level: Recommendation of current instructor

U. S. HISTORY 2 H & CP**GRADE 11****5 CREDITS**

This college preparatory course is a continuation of U.S. History 1, beginning with the post-Civil War period and pursuing the course of U.S. history to the present date. As in U.S. History I, the emphasis is on the cultural approach, embracing all facets of American life with its ever-expanding horizons.

Prerequisite for H level: Recommendation of current instructor

ELECTIVE COURSES (ADVANCED PLACEMENT)

AMERICAN GOVERNMENT & POLITICS AP

GRADES 11-12

5 CREDITS

This advanced placement course is designed to give students a critical perspective on government and politics in the United States involving both the study of general political concepts and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the United States political reality. Areas of focus will be: Constitutional underpinnings of the United States government, political beliefs and behaviors, political parties and interest groups, institutions and policy processes of national government, civil rights and civil liberties. This course will require that the student learn facts and concepts and understand typical political processes in order to gain a thorough and systematic comprehension of United States government. Further, the student will learn to use specific information critically to evaluate general propositions about government and politics. Students will also learn to present basic data relevant to government and politics in sustained written arguments. This course will also provide students with the skills and factual knowledge necessary to analyze documentary material, primary sources, maps, statistical tables, and pictorial and graphic evidence of issues in American government and politics. Students will understand and appreciate the relevance of these documents and sources and evaluate their importance in American political scholarship. A major goal of this course will be to aid the student in writing analytically with both clarity and precision. They will learn to distinguish the essential from the incidental, understand and evaluate competing arguments, and formulate and express opinions on our political and policy-making processes, based on informed judgments. This course is a preparation for the Advanced Placement Examination in American Government administered by the College Entrance Examination Board. The AP exam is a course requirement.

Prerequisite: Minimum grade of B in US History 1 or 2 H or AP levels only, and recommendation of current social studies instructor

EUROPEAN HISTORY AP

GRADES 11-12

5 CREDITS

This college freshman level course surveys and interprets the evolution of Western Civilization from the Renaissance to the present, examining political, socio-economic and cultural trends. Special attention is given to the emergence of strong nation-states, revolutions and contemporary problems resulting from global wars. Non-western civilizations are examined in terms of their interaction with the west. Students should be highly motivated and possess superior writing skills. Successful completion of a summer reading assignment is mandatory. Priority will be given to seniors in scheduling this class. This course is a preparation for the Advanced Placement Examination in American Government administered by the College Entrance Examination Board. The AP exam is a course requirement.

ELECTIVES (COLLEGE PREPARATORY LEVEL)

NOTE: Elective offerings may be offered on an alternating basis.

THE CULTURE OF AMERICAN SPORT

GRADES 11-12

2.5 CREDITS

This course is designed to allow exploration and discussion of historical events and sociological issues in sports that have had a major impact on American society. The following topics will be investigated: Issues in the Olympic Games; Issues in youth / High School sports; and Discrimination/Gender Issues in Sports. Independent research, class projects, and use of all contemporary media will allow for a timely discussion of issues that are a microcosm of American culture and society.

ECONOMICS

GRADES 11-12

2.5 CREDITS

This course is an introduction to basic theories of economics that will enable the student to better understand the economy of the United States. Concentration is on the free enterprise economy of the United States and includes topics such as the roles of business and labor, government, banking, current economic issues, personal economics, and the global economy including basic theories of other economic systems.

ETHICS

GRADES 11-12

2.5 CREDITS

(formerly Global Studies and Issues of Conscience)

This course is designed to accomplish the following goals: stimulate ethical resourcefulness of students and their sense of responsibility to themselves and society; help students distinguish ethical issues; analyze key ethical concepts and principles, and help students deal effectively with moral and ethical vagueness and disparity in the real world around them. Activities will include student discussion, oral presentation, and analysis and connection of issues to the Kinnelon High School Honor Code.

MUSIC IN AMERICAN HISTORY

GRADES 11-12

2.5 CREDITS

This course will explore the history of American music from the mid-1800's up to the present day. Genres to be studied include early American folk music, minstrel/work songs, blues, jazz, rock and roll, gospel, soul, funk, R & B, and Hip-Hop. Particular attention will be given to the undercurrent of counter-culture and rebellion of youth, which spans all eras of American history. Listening to music will also be an integral part of the classroom experience.

SOCIOLOGY

GRADES 11-12

2.5 CREDITS

This course focuses on the dynamics of social development and change in terms of the geographic, biological, cultural, and environmental forces that act on the individual and the group. Within this context, students, will explore customs, traditions, and the roles of various social systems that impact on group life.

TECHNOLOGY EDUCATION

The Technology program involves the disciplined study of the integrated use of science, material and human resources to achieve a desired purpose. Students will be given the opportunity to develop practical skills and knowledge useful to them as consumers and homeowners, as well as in a vocational interest. Introductory exploration of various technical careers involving these skills will be emphasized. These elective courses fulfill the graduation requirement of 5 credits in Practical/Vocational Arts.

ELECTRICITY TECH	TECHNOLOGY ELECTIVES
INTRO. TO ELECTRICITY TECH CP	TECHNOLOGY CAREERS CP
DIGITAL ELECTRICITY TECH CP	RESEARCH & DEVELOPMENT CP
ROBOTICS CP	COMPUTED AIDED DESIGN 1 & 2 CP
OPTO ELECTRICITY TECH CP	ARCHITECTURAL DESIGN 1 CP& 2 H
AUTO CP	ADVANCED ARCHITECTURE H

INTRO. TO ELECTRICITY TECHNOLOGY CP

GRADES 9-12

2.5 CREDITS

This introductory course provides the student with a strong background in the high tech area of electronics. Alternative electrical generation and electronic control circuits will be explored utilizing hands on circuit design and construction. Theory oriented lectures will be reinforced with group problem solving activities and individually constructed projects. ***Prerequisite for Digital Electricity Tech.***

DIGITAL ELECTRICITY TECHNOLOGY CP

GRADES 9- 12

2.5 CREDITS

This course is designed to provide the next logical learning experience and maintain learning continuity in the expanded field of high tech electronics. Areas covered are solid-state components, digital computer circuits, home and car audio systems, and state of the art electronic devices. The "hands on" approach will be used for problem solving activities along with student designed and constructed projects. The rapidly growing field of Telecommunications will be explored through electronic device troubleshooting and the operation and maintenance of the high school television studio. ***Prerequisite: Intro. to Electricity Technology***

OPTO ELECTRICTY TECHNOLOGY CP

GRADES 9-12

2.5 CREDITS

This course will introduce the students to the high tech field of electronic communication and Opto electronics. Using a series of hands-on labs, the students will build and experiment with actual functioning circuits. The areas that will be covered will include PA systems, AM-FM transmitters and receivers, optical transmitters and receivers, infrared and fiber optic links, IR remote control transmitters and receivers and proximity detectors. Individual projects will be designed and constructed. A unit covering device troubleshooting and repair will also be included. ***Prerequisites: Intro to Electricity Technology and Digital Electricity Technology***

ROBOTICS CP**GRADES 9-12****2.5 CREDITS**

This exciting course is designed to introduce the student to the high tech field of robotics. Several different types of robots: sound sensed, frequency controlled, infrared sensed, direct wiring, solar sensed and programmable memory will be explored. Students will assemble each type of mobile robot, then study its specific control and mechanical operation by running through an obstacle course and a series of tests. A stationary robot arm will be controlled first manually, and then programmed through a computer interface. Several of the mobile robots will also be programmed using a computer.

AUTO CP**GRADES 11-12****2.5 CREDITS**

This course is for anyone who will ever buy, drive or maintain a car. The basic operation of all the major systems of an automobile is covered. Preventative maintenance and repairs that the students are capable of carrying out at home with minimal tools, and "on the road emergencies" will be experienced through actual "hands on" work. Other areas covered are: "What to look for in a used car", car insurance, the law and driving, types of tires, buying parts, car stereo systems, winter driving techniques, gasoline, changing a tire and exterior maintenance. Students will work on their own cars or cars that are provided by the instructor.

TECHNOLOGY CAREERS CP**GRADES 9-12****2.5 CREDITS*****(course replacement for Introduction to Technology CP)***

Technology Careers is a semester long course which emphasizes the application of the design method to invent solutions to technological problems. Students will identify problems, use internet research, and design and fabricate models or prototype solutions. Problem solving and design skills are taught through a variety of activities. Hands-on themes for this level include, but are not limited to, electricity, structural analysis, fluid power, robotic systems, force and motion, as well as, architectural and graphic design. Students will identify educational requirements and positions associated with careers in each of the studied units. This course provides students with valuable skills such as: problem solving, design, creative thinking. Systems thinking, team work, documentation, and computer applications. Computer programs stressed throughout the course are: word, publisher, PowerPoint, CAD, and Internet Search Engines.

RESEARCH AND DEVELOPMENT CP**GRADES 9-12****2.5 CREDITS*****(course replacement for Mechanical Movement)***

This is a semester long course where students will focus on the research and development process used to produce prototypes and working models. Students will learn fundamental skills and concepts necessary to solve problems and develop solutions where no clear answers exist. This course will teach students about team work and the collaborative process in design. Students will learn that they must revise their work in order to find the best solution. Each student will be required to record their creative process and use a variety of presentation methods to display their work. Once students' complete an open ended problem the course will concentrate on the manufacturing and production processes used to mass produce a working prototype. R and D will require students to use computer programs such as, but not limited to, Publisher, PP, Word, CAD, and etc.

COMPUTER ASSISTED DESIGN 1 CP**GRADES 9-12****2.5 CREDITS**

CAD I introduces students to technical problem solving and design concepts using computers as the drawing medium. The students will gain introductory level skills in AutoCAD as well as an introductory level knowledge of Technical Drawing concepts and conventions. Learning activities are hands on and combine formal drawing exercises with creative design experiences.

COMPUTER ASSISTED DESIGN 2 CP**GRADES 10-12****5 CREDITS**

CAD II is an extension of the CAD I course and builds on the knowledge learned there. This course brings students up to an intermediate level skill in AutoCAD and a similar level in Technical Drawing concepts and conventions. In addition to increasing their knowledge of AutoCAD, students will gain an introductory level experience in 3D modeling using 3D Studio Viz. Learning activities are hands on and meant to simulate an engineering environment. Formal drawing exercises that stimulate the creative side of engineering are also included. **Prerequisite:** *Computer Assisted Design 1*

ARCHITECTURAL DESIGN 1CP**GRADES 9-11****5 CREDITS**

Each student will develop a house using design elements taught throughout the class. A focus on room sizes, relationships, and overall layout will take place. Students will produce a complete set of architectural drawings that will include: floor plans, window and door schedules, front, side, and rear elevations. Students will gain knowledge of reading residential blueprints, and a skill in drafting. Accuracy, neatness, and revision of work are stressed. This course will give students a basic perspective on what it takes to design a house. **Prerequisite:** *Completion or concurrent enrollment in Geometry*

ARCHITECTURAL DESIGN 2 Honors**GRADE 10-12****5 CREDITS**

This course will take an in-depth look at the Principles and Elements of Design. Students will build off of their Architecture One experience by designing a house and building a ¼ scale model of their structure including: flooring, color schemes, and exterior details. Students will then produce detailed ½ scale models of three rooms. Each model will be accompanied by a written description of the student's work explaining how they applied their knowledge of design. Students will be introduced to a CAD program to complete their drawings on. This course will be valuable to any student looking to go into the architecture, interior design, visual coordination, or other related fields. **Prerequisite:** *Architectural Design 1 and completion or concurrent enrollment in Geometry*

ADVANCED ARCHITECTURE Honors**GRADES 11-12****5 CREDITS**

Advanced Architecture is a full year course working as a continuation of the architectural design series. This course emphasizes divergent thinking and problem solving. A strong emphasis is placed on the student's ability to conceptualize using logic and creative thinking skills. This Course is designed for students considering careers in an architectural and/or construction field, as well as future homeowners. This course will deliver a perspective on Architecture by studying famous works and both present and past architects. Students will gain a greater understanding of architecture by studying the structure that builds a residential house, and methods of presentation used to display the future form. Students will work alone and in teams to develop quality portfolio pieces. **Prerequisite:** *Architecture Design 1 & 2*

WORLD LANGUAGES

French, Latin and Spanish are World Language courses offered to Advanced Placement levels at Kinnelon High School. Beginning with the Class of 2005, 10 credits of a World Language are required for graduation. The study of a World Language provides an opportunity for students to develop proficiency in the skills of listening, speaking, reading and writing in a language other than their native English. Through the application of these skills, students will recognize the contrasts and similarities that exist between their native cultural pattern and that of another country. A variety of techniques and methods are used to achieve these objectives. In addition, many four-year colleges and universities recommend or require a minimum of two years of the same language. All three languages offered at Kinnelon High School, French, Latin and Spanish (Levels CP through AP), meet the World Language requirement for college admission.

WORLD LANGUAGE COURSE SEQUENCES

SEQUENCE 1	Grade	SEQUENCE 2
	9/10	Foundations of Spanish 1 + 2
French 1 CP or Spanish 1CP	8	French 1 CP or Spanish 1 CP
French 2CP or Spanish 2CP	9	French 1CP, Spanish 1CP*, or Latin 1CP
French 3CP or Spanish 3CP or Spanish 3 H	10	French 2CP, Spanish 2CP, or Latin 2CP
French 4H or Spanish 4 CP, Spanish 4H or Intro to College Spanish H	11	French 3CP, Spanish 3CP, or Latin 3H
French 5AP or Spanish 5AP (*only after Intro. To College Spanish H)	12	French 4H, Spanish 4 CP, Spanish 4H or Intro. To College Spanish H, Spanish 5 H or Latin 4H

LATIN COURSES

LATIN 1 CP

GRADES 9-11

5 CREDITS

Latin1 is an introductory course in a classical language which aims to show the relationship between Latin and English by studying the fundamentals of language. While focusing on the basics of Latin grammar, students develop the skills necessary to comprehend Latin texts of increasing difficulty. The course also examines the influence of Roman culture on the Western world by looking at institutions and traditions that were important to the Romans. Latin serves as an excellent preparation for verbal assessments such as PSAT and SAT. Media aids are used to enhance the academic experience.

LATIN 2CP**GRADES 10-12****5 CREDITS**

Building upon the framework established in Latin 1, this course continues the study of grammar introducing students to increasingly more sophisticated forms. The course carries on the comparison of English and Latin in the areas of grammar and vocabulary. The course will explore additional institutions and traditions of Roman culture which have had an impact on Western society. Media aids are used to enhance the academic experience.

LATIN 3 H**GRADES 11-12****5 CREDITS**

The purpose of the Latin 3 curriculum is to improve student reading/comprehension/translation skills through exposure to adapted Latin texts in a graded reader. Through the readings, students trace the history of Rome from its legendary founding by Aeneas up to the end of the Republican period, becoming familiar with the important figures in Roman history. Students analyze the stories to determine the values that were important to the Romans, comparing them with those promoted by American society. The course also provides students an opportunity to review the grammar learned in Latin 2. Media aids are used to enhance the academic experience.

LATIN 4 H**GRADE 12****5 CREDITS**

Latin 4 embarks on the study of Latin poetry focusing on Vergil's Aeneid and, in alternating years, Ovid's Metamorphoses and selected poems of Catullus. In addition to improving translation skills, students conduct an in-depth analysis of these works of literature examining the meter, figures of speech, imagery and themes employed by each author. Media aids are used to enhance the academic experience. Students are encouraged to take the SAT Subject Test in December of Latin 4.

FRENCH COURSES**FRENCH 1 CP****GRADES 9-12****5 CREDITS**

This course is designed to develop basic reading, writing, speaking, and listening skills in the French language through a variety of media. Several aspects of French culture are discussed.

FRENCH 2 CP**GRADES 9-12****5 CREDITS**

This course is designed to further the development of the reading, writing, listening, and speaking skills. Students' knowledge of Francophone culture is expanded through the use of the target language. Media aids are used to enhance language proficiencies.

FRENCH 3 CP**GRADES 10-11****5 CREDITS**

Students' skills of reading, writing, listening, and speaking are intensified. Students complete their study of advanced grammar and are introduced to the study of French literature. Media aids are used to enhance manipulation of the language.

FRENCH 4 H**GRADES 11-12****5 CREDITS**

Aural/oral comprehension, conversation, reading, and composition skills continue to be developed. Advanced grammar skills are strengthened. Emphasis is placed on oral and written communication and comprehension. Media aids including tapes, videos and films are used to enhance language proficiencies. Students are encouraged to take the SAT II test.

Prerequisite: Successful completion of French 3 and recommendation of current French instructor

FRENCH 5AP**GRADE 12****5 CREDITS**

Students continue to develop reading, writing, listening and speaking skills. Emphasis is on grammar, comprehension of native speakers, ability to express oneself accurately and resourcefully, both orally and in writing, and reading comprehension. Emphasis is placed on developing a high level of proficiency in understanding the spoken language in formal and conversational situations and in the use of vocabulary and grammar. Media aides are used to enhance language proficiencies. Students are encouraged to take the SAT II test. Students are required to take the AP test.

Prerequisite: Successful completion of French 4H and recommendation of current French instructor

SPANISH COURSES**FOUNDATIONS OF SPANISH 1 & 2****GRADES 9-12****5 CREDITS** (each course)

These will be classes of limited enrollment based on professional recommendation only. The goal is to cover the content standards of Spanish 1B over a 2-year period in these courses. The Foundations of Spanish Program is not designed to meet college entrance requirements; it is rather designed to meet the Kinnelon requirement of 10 credits of World Language. A highly motivated student, completing Foundations 1 & 2, may be eligible, upon recommendation only, to move into Spanish 2CP.

SPANISH 1CP**GRADES 9-12****5 CREDITS**

This course is designed to develop basic reading, writing, speaking and listening skills in the Spanish language through a variety of media. Various aspects of Spanish culture in Spain and Central and South America, as well as the geography of these regions, are discussed.

SPANISH 2CP**GRADES 9-12****5 CREDITS**

This course is designed to further the development of reading, writing, listening and speaking skills. A more advanced program of reading and conversation is utilized to obtain these objectives. In addition, students will learn about the habits, customs and history of the Spanish-speaking countries and people. Media aids are used to enhance language proficiencies.

SPANISH 3CP**GRADES 10-12****5 CREDITS**

Students' skills of reading, writing, listening and speaking are intensified. Students continue their study of Spanish grammar and are encouraged to increase their awareness of Hispanic cultures. Selections focusing on modern day vocabulary and themes are used to further develop students' skills. Computer and video assisted instruction is provided. Media aids are used to enhance language proficiencies.

Prerequisite: Successful completion of Spanish 2CP

SPANISH 3 H**GRADES 10-12****5 CREDITS**

This course is designed for highly-motivated students of Spanish who have demonstrated an advanced proficiency in reading, writing and speaking ability. Activities in the class will include those indicated in Spanish 3CP above, but at an accelerated pace in order to provide students with the practice needed to be prepared for the Spanish Language AP exam. Students who excel in this course are expected to take Introduction to College Spanish Honors the following year.

Prerequisite: Successful completion of Spanish 2CP and the recommendation of current Spanish instructor which will be based on the student's language aptitude and a seriousness of purpose needed for achievement in a challenging class

SPANISH 4 CP**GRADES 11-12****5 CREDITS**

This course is designed for students who have a strong interest in developing their reading, speaking and writing ability in Spanish. Emphasis is on grammar and vocabulary development, the proper use of idiomatic expressions, authentic pronunciation, reading fluency and composition. Students will have an opportunity to investigate the geography, history, and culture of the Spanish-speaking cultures in depth. Media aids are used in instruction to enhance language proficiencies.

Prerequisite: Successful completion of Spanish 3CP and recommendation of current Spanish instructor

SPANISH 4 H**GRADES 11-12****5 CREDITS**

This course is designed for highly motivated students of Spanish who intend to continue their development of reading, writing, listening and speaking skills. Emphasis is on grammar and vocabulary development, the proper use of idiomatic expressions, authentic pronunciation, reading fluency and composition. Media aids are used in instruction to enhance language proficiencies.

Prerequisite: Successful completion of Spanish 3CP and recommendation of current Spanish instructor

INTRODUCTION TO COLLEGE SPANISH H**GRADE 11-12****5 CREDITS**

This course is a prerequisite for Spanish 5AP. Students will work on improving their speaking, reading and writing skills. Vocabulary development, reading comprehension, conversation practice and composition will be emphasized. Media aids are used in instruction to enhance language proficiencies. Students are encouraged to take the SAT II test.

Prerequisite: Successful completion of Spanish 3H, recommendation of current Spanish instructor and the demonstration of a high level of achievement in both written and oral proficiencies in Spanish

SPANISH 5 H**GRADE 12****5 CREDITS**

This course is designed to build upon previously learned language skills and will focus on specific aspects of language acquisition. Students will focus on reading comprehension and intensive conversational Spanish. Important everyday vocabulary will be emphasized and tied in with grammatical topics. Upon completion of this course, students will be expected to be performing at an ACTFL proficiency level instruction. ***Prerequisite: Successful completion of Spanish 4H, recommendation of current Spanish instructor and the demonstration of a high level of achievement in both written and oral proficiencies in Spanish***

SPANISH 5AP**GRADE 12****5 CREDITS**

In this course, students will continue to develop their grammar conversation and composition skills through the study of Spanish literature including essays, short stories and poetry of some of Spain's and Latin America's greatest writers. Emphasis is placed on developing a high level of proficiency in understanding the spoken language in formal and conversational situations and in the use of vocabulary and grammar. Media aids are used to enhance language proficiencies. Students are encouraged to take the SAT II test. Students are required to take the AP test.

Prerequisite: Successful completion of Introduction to College Spanish Honors, the recommendation of current Spanish instructor, the demonstration of a high level of achievement in both written and oral proficiencies in Spanish and a seriousness of purpose needed for success in an AP preparation class.

SPECIAL EDUCATION

SPECIAL EDUCATION

GRADES 9-12 UP TO **5 CREDITS** PER COURSE

Classified students take courses in either a regular education or special education setting. Students are recommended for placement settings in the least restrictive environment as prescribed in his/her IEP. Placement decisions are made collaboratively between the case manager, the parent, the student, and both regular education and special education teachers.

Course options available in Special Education are in the areas of English, social studies, mathematics, science, and study skills. The resource center provides replacement courses in the various subject areas and in-class support is available for some course options. Kinnelon High School has offered a self-contained program for students in the areas of English, social studies, math and science. The goal of Kinnelon High School is to offer a full continuum of services, and course offerings are based upon the needs of students.

Parents are encouraged to speak with their child's case manager and/or counselor if they have questions regarding the most appropriate class placement.

GUIDED STUDY

GUIDED STUDY

GRADE 9-12

2.5 CREDITS

Each pupil shall be assessed upon entrance into the educational system and annually thereafter, to identify pupils not meeting minimum proficiency levels. Such assessment shall be part of the total assessment procedure set forth in Section 4 of New Rules New Jersey Administrative Code, Title 6, Title 18A of New Jersey Statutes Annotated as supplemented and amended by Chapter 212, Laws of 1975.

Course emphasis is on preparation for the High School Proficiency Assessment 11, a state mandated test of minimal levels of proficiency that students must pass to be eligible for a high school diploma in the areas of Language Arts Literacy and Mathematics.

Placement recommendations are based on the results of standardized measures, performance data and/or teacher recommendations. Students are remediated in the deficient skill area(s) through small group and individualized instruction. Students will receive credits for each year they participate in the program.

If a student falls below the level of proficiency established by the district, on either the GEPA in grade 8, or the HSPA in grade 11, he/she must be placed in Guided Study and an elective shall be dropped to accommodate this placement, if necessary.

MORRIS COUNTY SCHOOL OF TECHNOLOGY

MORRIS COUNTY SCHOOL OF TECHNOLOGY GRADES 11-12 15 OR 20 CREDITS

Morris County School of Technology (MCST) offers 22 career programs twice a day (morning and afternoon) to high school students living in Morris County. Students spend a half-day at the School of Technology and the other half at the home school where students take academic programs and participate in regular social and athletic activities. Transportation to and from MCST is provided by the home school district. MCST is centrally located in Morris County, in the Township of Denville, on Route 53 between Route 10 and Interstate Route 80. An applicant must file an application signed by the parent or guardian and the home school counselor. Students who have been accepted are notified in May. Applications are available throughout the year from either the home school or the School of Technology Guidance Department.

NOTE: Students may elect to attend MCST for one year (exception: Cosmetology). If certifications are required to perform a job, the two-year sequence must be taken. Most Kinnelon students attend the afternoon session.

TECHNICAL APPLICATIONS OF MATH C

5 CREDITS

TECHNICAL APPLICATIONS OF SCIENCE C

5 CREDITS

Students will receive 20 credits for successful completion of a technical course offered at Morris County School of Technology. To enable students to meet their increased graduation requirements, math and/or science have been infused into most the MCST offerings. Students will select either math or science depending on their availability as noted in the course program description. Kinnelon students will receive 5 credits (C level) for the selected course. The report card will reflect a grade for the technical course for which the student is enrolled and a grade for either Technical Application in Math or Technical Application in Science. Students who successfully complete their courses will earn 15 credits for the technical course as well as 5 credits in math or science. If the technical course does not include a math or science component, the student will receive one report card entry instead of two and will receive 20 credits upon successful completion of the technical course.

MORRIS COUNTY SCHOOL OF TECHNOLOGY

SHARED TIME PROGRAM OFFERINGS:

AUTO BODY/COLLISION REPAIR

AUTO SERVICE TECHNOLOGY 1

CARPENTRY

COMPUTER DRAFTING & GRAPHICS STUDIO

COSMETOLOGY 1

ELECTRICAL TRADES

PLUMBING

WELDING TECHNOLOGY

SPECIAL SERVICES PROGRAMS

The purpose of the Special Services Programs is to develop individual skills necessary to obtain gainful employment upon graduation. The basic premise is that the individual can be trained for entry-level employment in areas identified as realistic occupational areas. The “realism” is dictated both by an individual’s abilities and opportunities within the community.

Application must be made in the resident district. The programs are available to classified students enrolled in public secondary schools who are 14-21 years of age. Priority for acceptance are students 16-18 years of age in the 11th grade. A complete set of Child Study Team records must accompany the application.

AUTO BODY/COLLISION REPAIR

Within this two-year program, students will study basic auto body repair, painting, welding, restoration, panel replacement, frame damage, repair, custom painting and the use of all tools and materials. Graduates are employed as technicians, painters and apprentices.

BUILDING CONSTRUCTION

Students study carpentry, masonry, electrical wiring, plumbing, sheet rocking and roofing.

BUILDING/GROUNDS MAINTENANCE SERVICES

Students gain knowledge of basic electricity, plumbing, carpentry, painting, landscaping, general cleaning, maintenance and ceramic tiling.

FOOD SERVICES

This program is designed for the special needs learner who is interested in Culinary Arts.

RETAIL/SUPERMARKET CAREERS

This program prepares students for careers in the supermarket industry. It includes jobs in the areas of cashier, seafood, produce, baking, horticulture, sales, marketing, customer service and grocery.

NOTE: Classified students often enroll in regular technical programs. Child Study Team records are still required. Check with the case manager to determine appropriateness of all course selections.

ATHLETIC ELIGIBILITY

1. To be eligible for athletic competition during the first semester (Sept. 1 to Jan. 31) of the 10th grade or higher, or the second year of attendance in the secondary school or beyond, a student must have passed 25% of the credits required by the State of New Jersey for graduation, during the immediate preceding academic year.
2. To be eligible for athletic competition which begins during the second semester (Feb 1 to June 30) of the 9th grade or higher, a student must have passed the equivalent of 12 1/2% of the credits required by the State of New Jersey for graduation at the close of the preceding semester (January 31). Full year courses shall be equated as one-half of the total credits to be gained for the full year to determine credits passed during the immediate preceding semester.
3. Notwithstanding the provisions of Paragraphs 1 and 2 above, a student who is eligible at the beginning of a sports season shall be allowed to finish that season

The following is the number of credits a student must pass in order to be eligible to participate in interscholastic athletics under the Bylaws of the N.J.S.I.A.A.:

	FIRST SEMESTER	SECOND SEMESTER
All Grades 9 thru 12	27.5	13.75

For more information on rules and regulations, please refer to the student handbook.

NCAA-Eligibility

Athletes who wish to play Division I or II sports in college must file for athletic eligibility through the NCAA Clearinghouse. Standards are determined by course offerings, SAT I scores and the student's Grade Point Average. Completed applications, a fee charged by the NCAA and a transcript must be sent to the Clearinghouse. See respective counselors for eligibility requirements or access website at www.ncaa.org.

CO-CURRICULAR PROGRAM

The Vice Principal for Athletics & Activities and the student council coordinate the following clubs, activities and athletic teams. Students are encouraged to participate in the co-curricular program at Kinnelon High School. Clubs, activities and athletics enable students to develop their skills and interests; to make new friends; and to make a positive contribution to the school community. Most colleges and employers value student involvement in co-curricular activities. The co-curricular program is subject to annual review by the Kinnelon Board of Education who determines the offerings for the following year and some program (i.e. – freshmen athletics) may be determined by participation.

Activities and Clubs

Academic Decathlon
Business Club
Chess Club
Class Officers (Elected Yearly)
Feedback (Literary Magazine)
Intramurals
Mock Trial
Mountain Biking Club
Music Organizations: Instrumental Ensembles,
Jazz Ensemble, Pep Band, Vocal Ensembles,
Pit Band
National Honor Society
Newspaper
Peer Group Connection
Social Outreach
School Musical
Science Leagues:
Biology, Chemistry, Physics, Earth Science
TV/Video Club
Student Council
Varsity Club
World Language Clubs and Honor
Societies:
French, Latin and Spanish
Yearbook

Athletics

Varsity Baseball, Boys
J.V. Baseball, Boys
Varsity Basketball, Boys
J.V. Basketball, Boys
Varsity Basketball, Girls
J.V. Basketball, Girls
J.V. Cheerleading (Fall)
Varsity Cheerleading (Fall)
Varsity Cross Country, Boys
Varsity Cross Country, Girls
Varsity Football
J.V. Football
Varsity Ice Hockey
J.V. Ice Hockey
Varsity Lacrosse, Boys
J.V. Lacrosse, Boys
Varsity Lacrosse, Girls
J.V. Lacrosse, Girls
Varsity Soccer, Boys
J.V. Soccer, Boys
Varsity Soccer, Girls
J.V. Soccer, Girls
Varsity Softball, Girls
J.V. Softball, Girls
Varsity Swimming, Boys
Varsity Swimming, Girls
Varsity Tennis, Boys
J.V. Tennis, Boys
Varsity Tennis, Girls
J.V. Tennis, Girls
Varsity Track, Boys
Varsity Track, Girls
Winter Track
Varsity Girls Volleyball
J.V. Girls Volleyball
Varsity Wrestling
J.V. Wrestling

Revised 10/4/10