

SOUTH PLAINFIELD HIGH SCHOOL

Program of Study



Grades 9-12

2024-2025

SOUTH PLAINFIELD HIGH SCHOOL

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School Counselors

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Jaime Moran

Carly Hutchison
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STATEMENT:

STUDENTS ARE THE FOCUS OF THE SOUTH PLAINFIELD PUBLIC SCHOOLS.

We will provide a dynamic, rigorous, relevant, and technology-enriched curriculum, guided by the NJ Student Learning Standards. Our mission is to develop lifelong learners, who are prepared to succeed in a global and diverse society. We are resolved to educate the whole child, instilling the desire within our students to question and to become divergent thinkers, who can achieve their fullest potential. Go Tigers!

INTRODUCTION TO THE PROGRAM OF STUDIES

This publication has been prepared to acquaint South Plainfield High School students, along with their parents and guardians, with the many course offerings available at our high school. You are urged to read it carefully and thoroughly before making any final choices about your future program of study.

As you look through the pages that follow, examine them carefully. Select those subjects which are the most appropriate for you to best meet your future goals, career choice, and personal happiness. Remember to carefully review past achievement, ability, interest, and motivation. When you create or adjust your four-year plan each year, select challenging courses that will not only fulfill graduation requirements, but also college admission and/or employer requirements as well. Your academic teachers, following specific rubric guidelines from the curriculum director, will make placement level recommendations for your core subjects for next year, via Genesis.

In addition to taking the most rigorous courses you can handle and applying your best effort, we strongly encourage each student to become involved in one or more extra-curricular activities (athletics, clubs, community service projects) every semester. Ongoing involvement in school activities from the beginning of freshman year will positively affect how you do in school, how you feel, and ultimately value your years at South Plainfield High School.

Please Take Note:

Every effort is made to schedule all subjects selected by students; however, limitations of staff, student enrollment, building space, time, budgetary considerations, and student scheduling constraints can occasionally make the cancellation of undersubscribed courses *or* the substitution of student alternate course choices necessary. **Course Selection changes may be requested, but not guaranteed, until FRIDAY, APRIL 12th. Any changes to student Course Selection requests cannot be honored at any time after this date.**

SCHOOL COUNSELING SERVICES

(908) 754-4620

Director of School Counseling Services K-12: Dr. Dana Karas Ext. 1630

School Counselors:

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Carly Hutchison Ext. 1637
Jaime Moran Ext. 1635
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Support Staff:

Kristin Orłowski Ext. 1632
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Thrive Counselor:

Asia Taylor Ext. 1671

Wellspring Counselor:

Jeanne Neuwirth Ext. 1643

SAC Counselor

Sean Flatt Ext. 1646

SCHOOL COUNSELORS

School Counselors are dedicated professionals, committed to providing support services in the areas of academic, personal/social and career development. In keeping with the South Plainfield School District's Mission Statement, it is our intent to address students' needs at all developmental levels for the purpose of enhancing their education in preparation for their post-high school experiences and future goals.

STUDENT ASSISTANCE COUNSELOR

The Student Assistance Counselor (SAC) offers services to students who have been identified with problems and concerns relative to alcohol, tobacco, other drugs, crisis situations, mental health issues, social and emotional issues, and bullying, which create barriers to student success. The Student Assistance Counselor may facilitate in-service programs for faculty, students, parents, and act as a liaison between the school, family, and the drug/alcohol treatment system.

DEVELOPING YOUR FOUR-YEAR PLAN

Educational planning is one of the primary responsibilities of the School Counseling Department. Students entering their freshman year will begin by planning their academic course of study with consideration of the following: (1) future career goals, (2) satisfying high school graduation requirements, and (3) elective courses of personal interest.

Your personal plan will be re-evaluated annually. When it is time to select/request courses, counselors will meet with students individually to discuss career goals, level of performance, and areas of special interest. The student and his/her counselor will review teacher recommendations, academic achievement, state requirements for graduation, as well as future career interests regarding college and careers.

GRADUATION REQUIREMENTS

To earn a South Plainfield High School Diploma, a student must successfully complete 120 credits in accordance with both state and district mandates.

Required Course	Credit Requirement	*Recommended
4 years of English	20	4 years
2 years of U.S. History	10	2 years
1 year of World History	5	1 year
3 years of Mathematics (including Algebra 1 and Geometry and a third year of math that builds upon the concepts and skills of algebra and geometry)	15	4 years*
3 years of Science (including Lab Biology, Lab Chemistry and/or Physics and/or Environmental Science; plus, a third-year lab/inquiry-based science)	15	4 years*
1 year of World Language	5	2-4 years
4 years of Physical Education/Health	20	4 years
21 st Century Life and Careers, or Career Technology Education (1 year)	5	1-3 years*
Fine, Visual, and Performing Arts (1year)	5	1-3 years*
Financial Literacy, Economic and Entrepreneurial Literacy (1/2 year)	2.5	1/2 year

**Recommended courses will vary depending on each individual student's desired course of study and post-secondary choices.*

In addition to meeting state course requirements, students must (1) demonstrate proficiency on state mandated tests of proficiency, or subject specific state exams (see charts on next pages) and (2) comply with the state and district attendance policy.

GENERAL INFORMATION REGARDING GRADUATION

Students must meet the following criteria to graduate from South Plainfield High School.

1. Each student must successfully complete a minimum of 120 credits.
2. Students must achieve proficiency on a state mandated assessment required for graduation.
3. Students must adhere to the South Plainfield High School attendance policy.
4. Students must carry a minimum of 30 credits per year.
5. Students must meet the clearly delineated minimum proficiency established for each course.

NJDOE PASSING ASSESSMENT SCORES FOR GRADUATION REQUIREMENT Class of 2025 High School Graduation Assessment Requirements

The graduation assessment requirements for the class of 2025 remain in place.

Updated information regarding testing requirements can be found at:

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

English Language Arts and Literacy (ELA)

If, after completing the New Jersey Graduation Proficiency Assessment in grade 11, students did not demonstrate proficiency by passing the ELA component, such students may access the following pathways:

- ✓ **Second Pathway:** By meeting the designated cut score on a substitute competency test such as other high school-level NJSLA/PARCC assessments, the SAT, ACT, or ACCUPLACER; or
- ✓ **Third Pathway:** By submitting, through the district, a student portfolio appeal to the New Jersey Department of Education.

Mathematics

If, after completing the required New Jersey Graduation Proficiency Assessment in grade 11, students did not demonstrate proficiency by passing the mathematics component, such students may access the following pathways:

- ✓ **Second Pathway:** By meeting the designated cut score on a substitute competency test such as other high school-level NJSLA/PARCC assessments, the SAT, ACT, or ACCUPLACER; or
- ✓ **Third Pathway:** By submitting, through the district, a student portfolio appeal to the New Jersey Department of Education.

GENERAL SCHEDULING INFORMATION

ACADEMIC INTEGRITY

The South Plainfield High School community believes that academic integrity is essential to upholding the climate of honesty and fairness. It is paramount that we all maintain the highest standards of integrity and honesty for the creation of a fair and safe learning environment that supports intellectual growth and protects the credibility of our educational institution. Cheating and failing to adhere to our ethical standards undermines the integrity of the school community and the credibility of the individual student. As such, the entire South Plainfield High School community believes that academic integrity is the framework for upholding an academic environment that is based upon a foundation of honesty and fairness.

PROMOTION AND RETENTION

Before a student may be classified to a grade designation, the student must earn the following credits.

9 th grade (freshman) promotion from.....	8 th grade
10 th grade (sophomore).....	30 credits
11 th grade (junior).....	60 credits
12 th grade (senior).....	85 credits

ATHLETIC ELIGIBILITY

State – To be eligible for interscholastic athletic participation during the second semester of the ninth grade or higher, the student must have passed 15 credits during the preceding semester. The New Jersey State Interscholastic Athletic Association (NJSIAA) regulates eligibility of student athletes throughout the state. Refer to the student handbook for eligibility in Grades 10 through 12.

PARTICIPATION IN COLLEGE ATHLETICS

Students who intend to participate in NCAA Division I or II athletics as a freshman must be certified by the NCAA Clearinghouse. Certain academic criteria in high school must be met to participate in college athletics at this level. Counselors can help determine when initial eligibility standards apply. If standards do apply, an NCAA Clearinghouse application should be obtained from <http://eligibilitycenter.org>. Meeting minimum NCAA eligibility requirements will not guarantee admission into the college of choice. It is recommended that coaches and parents work with the School Counseling Department on strategies for college admissions.

COURSE RECOMMENDATIONS

Enrollment in core courses (English, Social Studies, Math, Science and World Language) is based on each **department's (teacher) overall recommendation along with additional criteria**. During the course selection process, these core course recommendations appear automatically in Genesis under “Next Year’s Requests”.

COURSE SELECTION REQUESTS

The pre-scheduling process occurs each winter for the following school year. Desired elective course selections/requests are not guaranteed and are based on availability. Students are provided with worksheets and tools ahead of time, so that they are ready to select/request their elective courses **online** during the assigned times in school. Parents are responsible for reviewing their student’s course selections/requests via the parent portal on Genesis during designated times (dates provided during scheduling process). Course requests/selections and core course recommendations will be viewable online only. **It is imperative that you make sure that the courses listed online (prior to April 12th) accurately reflect your final choices. The course requests/selections listed after that date are considered final and cannot be changed.** Availability of elective courses cannot be guaranteed as they are based on class enrollments, frequency of offering, and fulfillment of student required courses/scheduling constraints. It is imperative that students and parents become familiar with this Program of Studies to make the most informed course selections / requests.

SUMMER WORK

Some courses, specifically AP Courses, require summer work and/or reading assignments. Failure to complete a summer assignment may **not** result in your removal from the course. You may be expected to take the course and face a grade consequence for failure to submit the summer assignment.

CHANGES TO COURSE REQUESTS / SELECTIONS

A student in full residency must schedule and maintain thirty (30) instructional periods per week (30 credits) over the course of an academic year. However, it is highly recommended that a student schedule for thirty-five (35) credits each year. Staffing

needs are determined based on all student course requests/selections as of **April 12th**. Therefore, course selection/request changes *cannot* occur after this date. Course selections/requests will be considered FINAL since projected needs for staffing, materials/equipment, and general building availability will be solely based on these course selections/requests.

In addition, program changes are subject to the following conditions:

- Students may not drop a course selection/request if his/her schedule does not maintain thirty (30) instructional periods (during the course of the regular school day) per week each academic year.
- A request for a change in course selections/request, or to a schedule once schedules are released, will not be considered for specific teacher requests, change class to have a specific teacher, change a class because you do not want a specific teacher, specific requests for classes during certain times, or for requests for a specific lunch or PE/H period. Any special considerations must be presented prior to the release of schedules in late summer.

LEVEL CHANGE

All requests for the consideration of academic level changes (in regard to program planning and teacher/department recommendations for the following year) must be done by meeting with and discussing it with your School Counselor, requesting a “Consideration for Level Change” form, and returning it to your counselor completely filled out (including all necessary signatures), no later than **April 12th**. This form is also available on the school website. **Please be sure that you meet all the prerequisites for requested/selected classes, should there be one.**

STUDENT INITIATED CHANGES

Voluntary student-initiated requests for course SELECTIONS / REQUESTS (whether it be for electives or requesting a consideration for a level change) for the 24-25 school year must occur prior to April 12th, by submitting the Consideration for Level Change form to your school counselor (but as stated previously, cannot be guaranteed).

ADMINISTRATIVE INITIATED CHANGES

Schedules (or course selections/requests) may be adjusted based on class size, enrollments, disciplinary reasons, or other discretionary reasons. Administrators may also adjust a student’s schedule or course selections/requests if they have been inappropriately placed and/or have a schedule conflict.

COUNSELOR INITIATED CHANGES

Students who fail a subject from the previous year must repeat required subjects, therefore this may require counselors to make changes to students’ initial course selections/requests. Every effort is made to ensure that students are not reassigned to the same teacher. However, certain courses have constraints, therefore this cannot be guaranteed.

PROCEDURE FOR DROP / ADD OF A COURSE

This procedure is to be used *once the school year has begun* (in the Fall). If a student is considering dropping a course, and the reasoning is valid, the first step is for the student to meet with their school counselor. The student must submit a “**Scheduling Change Form**” to their school counselor. This form must be completely filled out and must state the reason for the request. The student is responsible for acquiring all signatures.

A student who withdraws from a course at any time up to September 27, 2024, will be removed from the class roster. No record of this withdrawal will appear on the student's permanent record. A student who is allowed to withdraw from a year or semester course at any time after the deadline will be removed from the class roster. A record of Withdraw Pass (WP) or Withdraw Fail (WF) will be maintained throughout the remainder of the year and recorded on the student's permanent transcript.

Students may not drop a course when:

1. The course student wants to drop is a core academic necessary for graduation.
2. The drop would result in no other course available to be added.
3. The drop would place them into a situation which may hinder requirements set forth in the credit guidelines for each grade level or for graduation purposes.

PLANNING YOUR EDUCATIONAL PROGRAM

- a. A student's program should be determined based on previous performance in the subject area selected, various related test results, career and/or educational goals, teacher recommendations, parental permission, and the approval of the counselor.
- b. All students must register for thirty at least (30) credits per academic year (except for seniors with special circumstances); however, it is recommended that thirty-five (35) credits be taken.
- c. Students selecting courses requiring departmental approval assume the responsibility of obtaining such approval prior to scheduling online.
- d. Elective courses have limits on the number of students who may be accommodated. The screening of student requests will be made by the various academic departments and/or the school counseling department. When a course is oversubscribed, priority for enrollment is most often by seniority.
- e. Electives are tentative until all academic prerequisites have been met.
- f. The administration and the school counseling department cannot foresee any reason for a schedule change once the program has been approved by the parents and the school. Requests for changes after original choices are made and approved will be considered on an individual basis with a conference among the people concerned up until April 12th. Students accept responsibility for their course selections and will maintain these schedules without changes. Therefore, *select courses carefully!*
- g. Colleges use certain criteria in determining the admissibility of applicants. Students who are planning to continue their education at the college level should consider the following.
 - i. **High School Record** — This includes an evaluation of the number of academic units which a student has completed, the levels of the academic units, and the grades earned. All of this is combined to determine each student's grade point average and class rank.
 - ii. **Testing Information** — This includes the SAT I: Reasoning Tests and/or the American College Testing (ACT) program and possibly the Advanced Placement Examination.
 - iii. **Recommendations** — This includes recommendations submitted by the student's counselor and, when requested, classroom teachers.
 - iv. **Non-Academic Activities** — This includes the number of activities, the level of involvement, and the projected contribution to the college in non-academic areas.

- h. In the academic areas, there are many variations of courses which a student may select. It should be noted that many colleges expect students to have completed *at least 16* academic units in high school. Students should refer to the requirements of their college(s) of interest. One academic unit refers to any five-credit course in English, Social Studies, Mathematics, Biological and Physical Sciences, and World Languages.
- i. **Advanced Placement (AP) Courses:** South Plainfield High School offers a wide variety of Advanced Placement (AP) courses in various disciplines. AP courses are college level courses offered to students who want to experience the rigors of college work, while still in high school. An outstanding academic record is considered one prerequisite for selection. Students should consult with their counselor prior to requesting placement in an AP course. Although not required, all students who are selected and who take an AP course(s) are *strongly encouraged* to take the AP Exam for that course in May. Students who successfully complete an AP course will earn high school credit, and *may* have the opportunity to receive college credit, with a minimum qualifying score for each AP exam (varies), based on each individual college's requirements (varies). Completion of a summer assignment is generally expected for all AP courses. Instructions are available from the AP teacher the previous May, and assignments can be found on the high school website.
- j. **Dual Credit Enrollment Opportunities:** Dual enrollment courses are college courses that are offered by SPHS faculty and in our high school. South Plainfield High School offers a wide array of dual enrollment courses through Middlesex College (MCC), Seton Hall, Fairleigh Dickinson, and Kean University.

Students applying for dual enrollment credit must successfully complete all requirements as outlined on the institution's application. Successful completion of the specified course(s) will allow the student to receive credit for high school graduation, *as well as* college credit. Please note that students applying to the High School Scholars Program may also take approved courses on campus at MCC:

- Experience college work while still in high school.
- Earn college credits that will appear on a college transcript and *may likely be* accepted by other colleges (all colleges are different).
- Save money, since courses are offered at a reduced / nominal fee, and
- Explore different fields of study.

Please contact your School Counselor for course selection, additional information, and details pertaining to dual enrollment course offerings.

- k. **Option II :** The purpose of "Option II" is to allow students the opportunity to explore educational learning experiences, outside of the traditional classroom environment, that are meaningful and relevant. "Option II" allows the Board of Education to determine and establish curricular activities or programs aimed at achieving the New Jersey Student Learning Standards for promotion and graduation. All Option II courses, just as with On-Line Courses, must receive prior approval, in writing, from the Director of Counseling and High School Principal. Courses that are taken without prior approval will not be accepted as required credits toward graduation. For additional information pertaining to "Option II", please contact the high school Counseling Office.

1. The pattern of studies which you plan for yourself will help you to enjoy a successful and prosperous high school career. It will determine how well you are prepared for college entrance and for obtaining and holding a job. Your pattern of studies will contribute to your day-to-day personal growth and happiness. Here are the steps that you should follow in planning your high school program.
 - a. **Establish personal goals.** Even though they may be revised from time to time, you should have some specific educational, occupational, and personal objectives toward which you are working.
 - b. Develop a **strong working relationship with your school counselor.** With your counselor, *honestly* evaluate your personal strengths, interests, aptitudes, and needs.
 - c. Learn **the requirements** for entrance to the college or school of your choice or the kind of work you plan to do after graduation.
 - d. During Junior year, **visit the colleges or vocational** resources in which you are interested.
 - e. **Consult** your parents, talk with your teachers and confer with your school counselor in order to benefit from their experience and the information that they can make available to you. Talk with citizens of the community who are currently working in the profession or vocation of your choice.
 - f. **Select the subjects which are to be included in your pattern of studies.** Choose those which contribute most toward helping you achieve the goals that you have established.

COLLEGE ENTRANCE EXAMS & ADMISSIONS TESTING

Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT/NMSQT):

The PSAT/NMSQT is co-sponsored by the College Board and National Merit Scholarship Corporation and is administered by Educational Testing Services (ETS). The PSAT/NMSQT is the screening test for high school students who wish to participate in the National Merit Scholarship Program, an annual academic competition for recognition and college scholarships. Please visit the College Board website for additional information.

www.collegeboard.org/psat

www.collegeboard.org/psatskills

Scholastic Aptitude Test (SAT):

While still assessing skills in reading, writing, and math, the new SAT focuses on the knowledge that current research shows is most essential for college and career readiness and success:

For additional information pertaining to the SAT and to view sample questions, visit www.collegereadiness.collegeboard.org.

American College Testing (ACT):

The ACT is used by U.S. colleges as a tool for admissions and to award scholarships. It is approximately three hours long and contains tests in the following areas: English, Math, Reading, and Science. Tests are scored on a scale of 1-36. Students with a strong course background are encouraged to take the ACT in addition to the SAT.

To register for the ACT go to www.actstudent.org.

SCHEDULING TIMELINE

The Study Orientation for Parents will be held **January 18, 2024**, at 7:00 pm for rising ninth grade students.

The Course of Study Orientation for Students at South Plainfield Middle School and South Plainfield High School will be held in January.

Students (and parents if so desired) will meet with the counselor individually to register for courses during the months of February through March. Remember to choose courses wisely as initial low requests totals may lead to the cancellation of a course. It is important to choose courses wisely and to make solid decisions during this appointment because not all course changes later in the process will be honored.

Initial course requests will be provided to students in **April 2024** to be verified by students and parents. Please contact the Counseling Office at 908-754-4620 immediately if any discrepancies are found. Please note: All requests for course request changes must go through your school counselor within 10 days of the course request verification release.

Final review of the teacher placement recommendations is due by **April 19, 2024**. The original course request will be changed to reflect the recommendation.

Class cancellation/class conflicts will be rectified on an ongoing basis once the master schedule is determined. Because of staffing and completion of the master schedule, requests for schedule or placement changes will not be honored after **April 12, 2024**.

Final schedules will be received by students before the first day of school. Please refer to the previously stated procedures for class and or course transfers.



Quick Look-Up		Program of Studies			Quick Look-Up		
COURSE	Gr	Cr	Pg#	COURSE	Gr	Cr	Pg#
English/ESL				Science			
101 English 1 H	9	5	15	501 Biology Honors	9-10	6	39
102 English 1	9	5	15	522 Biology	9-10	5	41
121 English 2H	10	5	16	521 Chemistry Honors	10-11	6	40
122 English 2	10	5	16	542 Chemistry	10-11	5	41
140 AP Eng Lang/Comp	11	5	16	552 Environmental Science	9-12	5	41
141 English 3H	11	5	17	565 Academic Physics	11-12	5	42
142 English 3	11	5	17	549 Bioinfo. Research H	10	5	41
160 AP Eng Lit/Comp	12	5	17	503 Integrated Science	11-12	5	39
161 English 4H	12	5	17	562 AP Biology	11-12	6	42
162 English 4	12	5	18	563 AP Chemistry	11-12	6	42
165 Creative Writing	10-12	5	18	567 AP Physics 1	11-12	6	43
167 Debate	9-12	5	18	568 AP Physics 2	12	6	43
170 Classic Mythology	10-12	2.5	18	569 AP Physics C	12	6	43
174 Lyrics & Poetry in Lit.	10-12	2.5	19	514 AP Seminar	11	5	40
176 World Mythology	10-12	2.5	19	566 AP Environmental Science	11-12	6	42
177 Epic Fantasy	10-12	2.5	19	515 AP Research	12	5	40
178 Villains in Literature	10-12	2.5	19	525 Intro to Anat/Phys	11-12	5	43
180 Reading Strategies	9-12	5	20	545 Forensic Science	11-12	5	44
001 Language Arts Beg.	9-12	5	25	548 Food Ecology & Nutri	11-12	5	44
002 Language Arts Int.	9-12	5	25	570 Infectious Diseases	11-12	2.5	44
003 Language Arts Adv	9-12	5	25	572 Biology of Cancer	11-12	2.5	44
004 Language Arts 4	9-12	5	26	Social Studies			
Mathematics				321 US History 1H	9	5	26
405 Algebra 1	9	5	33	322 US History 1	9	5	27
402 Academic Algebra 1	9	5	33	360 AP US History (II)	10	5	27
421 Geometry Honors	9-10	5	33	342 US History 2	10	5	28
422 Academic Geometry	9-10	5	34	345 Sociology	11-12	5	29
425 Geometry	10	5	33	346 Government & Law	12	5	29
445 Algebra 2	11-12	5	34	344 Genocide Studies	10-12	5	28
441 Algebra 2 Honors	10-11	5	34	347 International Relations	11-12	2.5	29
442 Academic Algebra 2	10-12	5	34	348 Economics & Fin Lit	11-12	2.5	30
453 Algebra 3/Trigonometry	11-12	5	34	362 AP US Gov & Pol	11-12	5	31
455 Math 3	12	5	35	363 AP Psychology	10-12	5	31
462 Academic Pre-Calculus	11-12	5	35	349 Race, Gender, Culture	11-12	2.5	30
461 Pre-Calculus Honors	11-12	5	35	350 History Through Film	11-12	2.5	30
464 Essentials of College Math	12	5	35	364 Sports Hist/Research	10-12	2.5	31
483 Calculus	11-12	5	36	365 Amer. Entertainment	10-12	2.5	32
481 AP Calculus AB	11-12	5	36	361 AP World History	11-12	5	31
489 AP Calculus BC	12	5	36	302 World History	11-12	5	27
490 AP Statistics	11-12	5	37	303 Intro. to Psychology	10-12	2.5	27
508 Intro Engr Design	9-12	5	37	304 American Military Hist.	10-12	2.5	27
509 Civil Engin/Architect	10-12	5	37	305 Theology	11-12	2.5	28
510 Statistics in Sports	10-12	2.5	38	366 AP Human Geography	10-12	5	32

COURSE	GR	CR	Pg#	COURSE	GR	CR	Pg#
World Language				Business Education			
200 French 1	9-12	5	21	604 Intro to Business \$	9-10	5	46
202 Spanish 1	9-12	5	21	626 Accounting 1 \$	10-12	5	46
204 Heritage Span 1	9-12	5	21	627 Accounting 2 \$	11-12	5	46
272 Italian 1	9-12	5	21	628 Marketing □	11-12	5	47
224 Heritage Span 2	9-12	5	22	630 Entrepreneurship □/\$	10-12	2.5	47
274 Italian 2	10-12	5	22	631 International Business	10-12	2.5	47
220 French 2	10-12	5	22	643 Business Law □	11-12	5	47
221 Spanish 2H	9-12	5	22	646 Sports/Enter. Mgmt. □	10-12	2.5	48
222 Spanish 2	9-12	5	22	650 Pers Fin Mgmt. □/\$	11-12	5	48
241 Spanish 3H	10-12	5	22	652 Cybersecurity □	10-12	5	48
242 Spanish 3	10-12	5	23	660 AP Comp Sci A □	11-12	5	48
277 Italian 3 H	11-12	5	23	661 Intro to Comp Sci □	9-12	5	48
250 French 3 H	10-12	5	23	664/665 AP Micro/Macro	11-12	5	49
252 Spanish 4H	11-12	5	23	683 Tomorrow Teachers □	12	5	49
279 Italian 4 H	11-12	5	23	684 Cooperative Ed □	12	5-15	50
270 French 4 H	11-12	5	23	685 Career Education □	11-12	5	50
292 AP Spanish	10-12	5	24	690 Intro to Macro □/\$	10-12	2.5	50
				691 Intro to Micro □/\$	10-12	2.5	50
				692 Hosp/Bus. Mgmt. □	10-12	2.5	50
				693 Real Estate □	10-12	2.5	51
Music				Applied Tech			
704 Music Experience ×	9-12	5	53	800 Intro to CAD □	9-12	5	55
769 Chorus ×	9-12	5	53	801 Engin. CAD Apps □	10-12	5	55
764 Music Technology ×	9-12	5	53	802 Adv Princ. of Des. □	11-12	5	56
762 Intro to Mus. Theory ×	9-12	5	53	830 Wood Tech 1 (Intro) □	9-12	5	56
770 Performance Band ×	9-12	5	53	831 Wood Tech 2 □	10-12	5	56
779 AP Music Theory ×	10-12	5	54	832 Wood Tech 3 □	11-12	5	56
771 Jazz Ensemble ×	9-12	5	54	840 Graphic Arts 1 □	9-12	5	57
775 Concert Band ×	9-12	5	54	841 Graphic Arts 2 □	10-12	5	57
781 Orchestra ×	9-12	5	54	842 Graphic Arts 3 □	11-12	5	57
785 Guitar I ×	9-12	2.5	54	843 Animation □	10-12	5	57
786 Guitar II x	9-12	2.5	55	845 Broadcasting 1 □	9-12	5	58
787 Theater Voc. Music x	9-12	2.5	55	846 Broadcasting 2 □	10-12	5	58
				847 Broadcasting 3 □	11-12	5	58
Art				848 Broadcasting 4 □	12	5	58
700 Art Exploration ×	9-12	5	51	851 Intro Manufacturing □	10-12	2.5	58
720 Painting & Drawing ×	10-12	5	51	853 Architecture □	10-12	2.5	59
730 Advanced Studio ×	11-12	5	52	854 Social Med. & Soc. □	10-12	2.5	59
742 Sculpture ×	10-12	5	51				
731 AP Studio Art ×	11-12	5	52				
750 Year. Des & Prod ×	10-12	5	52				
Family/Consumer Sci.				\$ = Meets Financial Lit. Grad. Req.			
870 Culinary Arts 1 □	10-12	5	59	□ = Meets 21 st Century Grad Req.			
871 Culinary Arts 2 □	11-12	5	59	□/\$ = Meets either 21 st Century Grad Req. or Fin Lit Grad Req			
				x = Meets Fine/Vis/Perf Art Grad Req.			

ENGLISH

English Department: Statement of Purpose

The primary goal of the English program is to produce reflective, critical, and creative thinkers through the language experiences of reading, writing, speaking, and listening. Therefore, the English classroom is an interpretive community in which students are engaged in transforming information and experience into knowledge and understanding. The department encourages students to be active learners who accept both the challenge and the responsibility for their own learning. Each year, as part of this comprehensive program, students complete research projects and required summer reading. The English program is delivered through a variety of survey courses and electives, as well as intervention courses for students struggling with meeting the demands of NJDOE's expectations for graduation.

Guidelines for Honors and Advanced Placement Courses:

The Honors and AP courses are designed for students who wish to challenge themselves academically and desire a rigorous study of literature, language, and composition. Even though there are no firm prerequisites for admission into, and remaining in honors courses, it is important to carefully consider a student's past performance in English when selecting an appropriate course of study. AP and Honors courses require students to complete additional coursework, read avidly, and widely, and maintain a higher level of independent accountability than non-weighted courses. The English department offers assistance in placement decisions through teacher recommendations, diagnostic assessments describing cognitive readiness and core competency review materials. It is recommended that students who wish to challenge themselves at the honors level have demonstrated strong performance in the English class taken the year prior. In cases where students select a level that was not recommended, the student and parent/guardian will be required to complete a waiver application. It must also be understood that if a student takes an Honors English course and decides to drop it, the non-weighted grade will transfer to his/her new class.

Semester Electives in English:

To address the Core Curriculum Content Standards Language Arts Literacy, the English Department offers full (5 credits) and some semester course electives (2.5 credits).

Course #	101	Course Name	English 1 Honors	Grade	9	Credits	5
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This freshman English 1 Honors program includes the study of literature from a variety of time periods and cultures. Several genres of texts are analyzed, including novels, short stories, poems, plays, and films. Students question, interpret, and make judgments about texts with increasing independence. They write in multiple genres, using writing as both a way to learn and as a means of expression. Students practice critical literacy and collaboration skills as learning strategies for both reading and writing. Additionally, students conduct short, as well as more sustained research projects to answer a question or solve a problem; narrow or broaden the inquiry when appropriate, synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation. Mandatory summer readings will be assigned and assessed.

Course #	102	Course Name	English 1	Grade	9	Credits	5
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This freshman English 1 course is a comprehensive survey of the elements of literature, language, and composition. The aim of this course is to improve students' control of the skills

of communication, reading, writing (narrative writing, argumentative writing) speaking, listening, and viewing – and to help them appreciate a wide selection of readings that increase students’ understanding and appreciation of literature. Students are expected to write narratives to develop real imagined experiences or events using effective technique, well-chosen details, and well-structured event sequences (CCSS). Additionally, students will conduct short as well as more sustained research projects to answer a question or solve a problem; narrow or broaden the inquiry when appropriate; synthesize multiple sources on the subject, demonstrating understanding of the subject under investigation. Mandatory summer readings will be assigned and assessed.

Course #	121	Course Name	English 2 Honors	Grade	10	Credits	5
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This sophomore English 2 Honors program is designed as an advanced course for reading, interpretation, analysis, and discussion of selections from American literature. The program is a survey course which covers American literature from the Colonial Period to Modernism. Students examine the major works from these periods, and the cultural and historical context of each literary period is emphasized. Critical and analytical approaches to various literary genres are stressed. Analysis and discussion of literary works are strongly encouraged and expected. The development of expository writing skills is strongly emphasized through various writing assignments on a variety of topics. Students must pursue individual research in preparation for a formal research paper as per department guidelines. Vocabulary and grammar development are continued through a structured program. Students are encouraged to pursue independent study through outside reading. Mandatory summer readings will be assigned and assessed.

Course #	122	Course Name	English 2	Grade	10	Credits	5
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This sophomore English 2 program is designed as a comprehensive survey course focused on American literature from the colonial period to Modernism, and continues to build upon the study of language, literature, and composition begun in grade 9. Examples of major literary genres are studied, and the development of the expository essay is emphasized. Students are expected to write arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence (CCSS). Students are expected to write narratives to develop real or imagined experiences or events using effective techniques, well-chosen details, and well-structured event sequences (CCSS). Additionally, students conduct short, as well as more sustained, research projects in which they synthesize multiple sources to answer a question or solve a problem. Mandatory summer readings will be assigned and assessed.

Course #	140	Course Name	AP English Language & Comp	Grade	11	Credits	5
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This Advanced Placement (AP) English Language and Composition course is designed to engage students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and reading will make students aware of the interactions among a writer’s purposes, audience expectations, and subjects, as well as the way genre conventions and the resources of language

contribute to effectiveness in writing. A wide variety of fictional and nonfiction texts will be assigned. A great deal of independent reading and writing is required. Summer reading and writing projects will be assigned. Students will prepare for the AP English Language and Composition AP Examination.

Course #	141	Course Name	English 3 Honors	Grade	11	Credits	5
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The junior English 3 Honors course is designed as an advanced seminar for the reading, interpretation, analysis, and discussion of selections from British literature. Students examine the major works of the Anglo-Saxon, Elizabethan, Neoclassical, Romantic, Victorian, and the Modern periods. The approach to literature in this course allows for a variety of critical perspectives and emphasizes the cultural and historical context of each literary period. Student analysis and student-led discussion of literary works are strongly encouraged and expected. There is also a strong emphasis on the development of writing skills through formal and informal essays on a variety of topics. Students also must pursue individual research in preparation for a formal debate, which adheres to departmental guidelines. Vocabulary and grammar development is continued through a structured program as well as through assigned readings. Students are encouraged to pursue independent study through outside reading. Mandatory summer reading will be assigned and assessed.

Course #	142	Course Name	English 3	Grade	11	Credits	5
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This junior English 3 course is a year-long study of language, composition, and British Literature designed for the college- and career-bound junior. In it, students explore a wide spectrum of fiction and non-fiction and appreciate for themselves the interaction between form and function in literary works (CCSS). Students examine authors' intentions, readers' responses, and the cultural contexts of the selected stories. In addition, students engage in the use of primary and secondary sources as well as literary criticism to compose expository and argument/research-based papers and speeches. Mandatory summer readings will be assigned and assessed.

Course #	160	Course Name	AP Literature & Composition	Grade	12	Credits	5
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This Advanced Placement (AP) English course is designed to acquaint students with a variety of classical literary works spanning all genres. While British and American writers are usually stressed, others such as Chekhov, Achebe, and Kafka are often included for study. This course will engage students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students will deepen their understanding of writers' language usage to provide both meaning and pleasure for their readers. This course is structured around challenging reading homework assignments, mature class discussion and essays. Summer reading and writing projects will be assigned. Students will prepare for the AP English Literature and Composition AP Examination.

Course #	161	Course Name	English 4 Honors	Grade	12	Credits	5
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The senior Honors-level English course is designed as an advanced seminar for the reading, interpreting, analysis, and discussion of selections from world literature. The approach to

literature in this course allows for a variety of critical perspectives and emphasizes the cultural and historical context of each literary period. Student analysis and student-led discussion of literary works are expected. The course also emphasizes the development of writing skills through formal and informal essays on a variety of topics. Students also pursue individual research in preparation for a formal term paper, adhering to departmental requirements. Vocabulary and grammar development are continued through the reading program. Mandatory summer reading will be assigned and assessed. **This course is eligible for dual-credit enrollment.**

Course #	162	Course Name	English 4	Grade	12	Credits	5
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This senior English 4 course is designed for the study of world literature and world cultures and includes a variety of writing tasks which adhere to departmental guidelines. Vocabulary and grammar development will continue through a structured program and contextual study. Mandatory summer readings will be assigned and assessed.

ENGLISH ELECTIVES

To address the Student Learning Standards in Language Arts Literacy, the English Department offers a variety of *semester* and full-year course electives. When selecting semester courses, remember it is required that two (2) be selected. **Electives DO NOT fulfill a graduation requirement.**

Course	165	Course #	Creative Writing	Grade	10-12	Credits	5
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If you enjoy creative writing, this is the course for you! Students will compose poetry, short fiction, personal narrative, songs, dramatic dialogue, screenplays, novels, and children’s literature. This course will include opportunities for reading the works of professional writers and modeling several different genres. Publishing and contest opportunities will be presented, and students will enjoy the comfort of being part of a community of writers!

Course #	167	Course Name	Debate	Grade	9-12	Credits	5
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This course will foster oral communication activities and enhance research and reasoning skills through participation in different types of debates. You will learn about the various types of debate formats, but the course will focus on the Lincoln-Douglas style, however you will delve deeper into the various types of case formats. You will also learn to extend the analysis of both the affirmative and negative cases. Participation in all activities is required. Participation in the Debate Club and debate competitions will be encouraged.

Course #	170	Course Name	Classical Mythology	Grade	10-12	Credits	2.5
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Myths and legends from many lands and cultures have been used to address human concerns such as birth and death, love and hate, fortune or misfortune, creation and afterlife, magical powers, and forces of nature. In this course you will meet the heroes and villains of mythology

and follow their encounters with fantastic creatures such as dragons, mermaids, unicorns, and monsters. Students will examine, analyze, and respond to the literature through various means of assessments, including designing creative projects, presenting technology-based assignments, and composing original myths.

Course #	174	Course Name	Lyrics and Poetry in Literature	Grade	10-12	Credits	2.5
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A project-based course that unites words on the page with words in the world, analyzing the way written work can be influenced and transformed when delivered aloud. Discover how to engage content in meaningful ways by exploring tone and communicating better through engaging with music, song, lyrics, spoken word format, and authors reading and interacting with their own works. Flex your brain by making connections between creators and topics that you didn't know existed but will uncover through close reading and choice projects, both independently and with others.

Course #	176	Course Name	World Mythology	Grade	10-12	Credits	2.5
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This course is designed to examine and analyze myths from many lands and cultures. Readings will include selections from the myths of the Middle East, the Far East and the Pacific Islands, Europe, Africa, and the Americas. Students will gain an appreciation and understanding of ancient and modern cultures and will learn to identify major mythological characters. You will recognize archetypes and motifs that recur throughout literature. The shared themes of anthology that express such human concerns as birth and death, love and hate, fortune and misfortune, creation and afterlife, magical powers and forces of nature will also be discussed. Students will examine, analyze, and respond to the literature through various means of assessments, including designing creative projects, presenting technology-based assignments, and composing original myths.

Course #	177	Course Name	Epic Fantasy	Grade	10-12	Credits	2.5
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This course develops students' love of literature by exploring selections of foundational fantasy works such as the Alice in Wonderland books, *the Wizard of Oz*, the Chronicles of Narnia series, and the epic masterpiece, *The Lord of the Rings*. Throughout the course, students will engage with the fantasy genre through readings, film clips, and creative writing assignments. At the end of the semester, students will complete a Project-Based Learning assignment by selecting a contemporary fantasy novel by J.K. Rowling, Rick Riordan, or Brandon Sanderson. Students will analyze their selected epic utilizing knowledge gained from the start of the course and present their findings to the class.

Course #	178	Course Name	Villains in Literature	Grade	10-12	Credits	2.5
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Most stories are told from the perspective of the good guy rather than the villain. In this course we will explore the history of these villains as they are portrayed in literature and film and seek to discover the true story by looking at both sides of the tale. Lessons will incorporate social emotional learning and restorative practices, focusing on empathy and understanding, and how we can right wrongs to overcome the dark side within ourselves. This course will

create a foundation for students to understand the value of centering the villain as the protagonist and working to understand the full picture from a variety of perspectives.

Course #	180	Course Name	Reading Strategies	Grade	9-12	Credits	5
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Students will participate in reading instruction focusing on advancing their fundamental reading skills. In this course, a teacher will engage students in intensive activities to support the five key areas of reading instruction identified by the National Reading Panel Report, phonemic awareness, phonics, fluency, vocabulary, and text comprehension. Direct instruction and computer assisted instruction will be utilized within this course.

Typical Sequence of Courses English

Grade 9	Grade 10	Grade 11	Grade 12
English 1H 101 or English 1 102	English 2H 121 or English 2 122	English 3H 141 or AP English 3 140 or English 3 142	English 4H 161 or AP English 160 or English 4 162
167 Debate	165 Creative Writing 167 Debate 170 Classical Mythology 174 Lyrics & Poetry 176 World Mythology 177 Epic Fantasy 178 Villains in Literature	165 Creative Writing 167 Debate 170 Classical Mythology 174 Lyrics & Poetry 176 World Mythology 177 Epic Fantasy 178 Villains in Literature	165 Creative Writing 167 Debate 170 Classical Mythology 174 Lyrics & Poetry 176 World Mythology 177 Epic Fantasy 178 Villains in Literature

***Half-year course: Students are required to select two 2.5 credit courses.**

***Remediation courses may be required as determined by student academic performance.**



WORLD LANGUAGE

World Language Department: Statement of Purpose

The Department of World Languages offers sequential study in French, Spanish, Italian and Latin, preparing students to explore and discover rich and vibrant cultures. These languages are indispensable for communication with Europeans, Hispanic, Latino, Mexican and Central and South American peoples, and the French-speaking populations of North and South America, Africa, Europe, Asia, the Middle East and the Caribbean. Proficiency in these languages enables students to appreciate another culture. Moreover, the study of a world language prepares students for careers in a variety of fields. Since our world is increasingly connected economically, politically and culturally, the ability to communicate in a world language and to understand people from other cultures is crucial. Furthermore, studies show that students who study a second language perform measurably better on the verbal section of the SAT.

South Plainfield High School offers a four-year program in French, Spanish, and Italian. Students who are beginning their study of a world language in high school are offered a rigorous college-prep program. For students who already understand and speak Spanish, South Plainfield High School offers a two-year program for native speakers. These courses recognize the existing skills that native Spanish speakers bring to the classroom.

World language requirements on the college level vary from school to school. Most colleges require two years of high school study for admission; many require demonstration of proficiency by means of a placement test or continued study in college. Currently, the Department of Education state requirement for graduation in this content area is 5 credits (one year). Any of the departmental courses will satisfy the World Language requirement.

Course #	200	Course Name	French 1	Grade	9-12	Credits	5
Course #	202	Course Name	Spanish 1	Grade	9-12	Credits	5
Course #	272	Course Name	Italian 1	Grade	9-12	Credits	5

This is the foundation course of a four-year program that focuses on communicative competence through the use of target language immersion. We will focus on basic communication skills using short sentences, learned words, phrases and simple questions and commands when speaking and writing. This is a performance level class in which students will be assessed on their ability to communicate meaning at a basic level by completing oral presentations and designing multimedia projects. Authentic materials will be used to teach and recycle vocabulary and to emphasize what has been previously learned, while having students retell, illustrate and write about themselves, their school and community.

Course #	204	Course Name	Spanish for Heritage Speakers 1	Grade	9-12	Credits	5
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Prerequisite: *Demonstration of proficiency through a diagnostic test.*

This course is the first year of a two-year program designed for students who already understand, speak, read and write in Spanish. In this course, students will improve their speaking and writing through the study of pronunciation, vocabulary, and grammar structure. Emphasis will be placed on literature, art, and social sciences. Writing and research will be used as vehicles to develop language skills.

Course #	224	Course Name	Spanish for Heritage Speakers 2	Grade	10-12	Credits	5
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Prerequisite: *Successful completion of Spanish for Heritage Speakers 1 and permission of instructor.*
 This course is the second year of a two-year program designed for students who already understand and speak Spanish. In this course, students will continue the study of language mechanics while exploring Hispanic history, literature, and culture. Writing and research will be used to develop language skills.

Course #	220	Course Name	French 2	Grade	9-12	Credits	5
Course #	222	Course Name	Spanish 2	Grade	9-12	Credits	5
Course #	274	Course Name	Italian 2	Grade	9-12	Credits	5

Prerequisites: *Successful completion of level 1 language course*
 In these second-level World Language courses, students’ progress from basic to greater expression and are given the opportunity to further develop the language skills learned in Level 1. Students are expected to initiate speech in the target language, and through interpersonal, interpretive, and presentational activities, improve their ability to converse and write with improved accuracy and fluency. Cultural comparisons are discussed in the target language and technology is infused into instruction. Students are assessed on their oral and written proficiency. Since learning advanced language skills requires excellent study habits, this course requires substantial study time outside of class.

Course #	221	Course Name	Spanish 2 Honors	Grade	9-12	Credits	5
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Prerequisite: *Successful completion of Spanish 1 and teacher recommendation.*
 In this second year Honors-level Spanish language course, students’ progress from basic to greater expression and are given the opportunity to further develop the language skills learned in Level 1. Students are expected to initiate speech in the target language, and using interpersonal, interpretive, and presentational activities, improve their ability to converse and write with improved accuracy and fluency. Cultural comparisons are discussed in the target language and technology is infused into instruction. Students are assessed on their oral and written proficiency. Since learning advanced language skills requires excellent study habits, this course requires substantial study time outside of class.

Course #	241	Course Name	Spanish 3 Honors	Grade	10-12	Credits	5
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Prerequisite: *Successful completion of Spanish 2 and teacher recommendation.*
 This third year Honors-level Spanish language course will be used as a tool to discuss international events and their relevance to what is happening today. It is also the language we

will use to communicate thoughts, desires, positions, and opinions, as students study the geography, economics, politics, art and literature of the Spanish speaking world. The primary goal is to enable students to read, write, analyze, compare, and debate various perspectives of the target culture and their own. A variety of authentic resources will be used to develop writing skills, so that students communicate, reflect, and apply the new concepts and vocabulary studied daily. This course is designed to prepare students for Spanish IV Honors and eventually AP Spanish.

Course #	250	Course Name	French 3 Honors	Grade	10-12	Credits	5
Course #	242	Course Name	Spanish 3	Grade	10-12	Credits	5
Course #	277	Course Name	Italian 3 Honors	Grade	10-12	Credits	5

Prerequisites: For Spanish 3---successful completion of Spanish 2.

For French 3H & Italian 3H- successful completion of language level 2 and teacher recommendation. In these third-level World Language courses, students' progress from basic to greater expression and are given the opportunity to further develop the language skills learned in Levels 1&2. Students are expected to initiate speech in the target language, and through the use of interpersonal, interpretive, and presentational activities, will improve their ability to converse and write with improved accuracy and fluency. Cultural comparisons are discussed in the target language and technology is infused into instruction. Students are assessed on their oral and written proficiency. Since learning advanced language skills requires excellent study habits, this course will require substantial study time outside of class.

Course #	252	Course Name	Spanish 4 Honors	Grade	11-12	Credits	5
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Prerequisite: Successful completion of Spanish 3 Honors and teacher recommendation.

These Honors-level Spanish language courses will be used as a tool to discuss international events and their relevance to what is happening today. It is also the language we will use to communicate thoughts, desires, positions, and opinions, as students study the geography, economics, politics, art and literature of the Spanish speaking world. The primary goal is to enable students to read, write, analyze, compare, and debate various perspectives of the target culture and their own. A variety of authentic resources will be used to develop writing skills, so that students communicate, reflect, and apply the new concepts and vocabulary studied daily. This course is designed to prepare students for AP Spanish. **This course is eligible for dual-credit enrollment.**

Course #	270	Course Name	French 4 Honors	Grade	11-12	Credits	5
Course #	279	Course Name	Italian 4 Honors	Grade	11-12	Credits	5

Prerequisites: Successful completion of language level 3 honors and teacher recommendation.

At this level, the students are expected to express themselves more accurately and fluently. Students are expected to consistently understand and produce spoken and written communication in the target language. By the end of the year, students have a comprehensive

knowledge of grammatical structures which will be applied in oral and written expression. Students will write essays and compose original talks on a variety of cultural topics.

Course #	292	Course Name	AP Spanish Language	Grade	10-12	Credits	5
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Prerequisite: Successful completion of Spanish 4 Honors or Heritage 2, and teacher recommendation.

The AP course in Spanish is designed to parallel the skill development of a third-year college Spanish course in advanced composition and conversation. The course therefore focuses on the mastery of listening, speaking, reading, and writing skills, not on the content of specific texts. By the end of AP Spanish, the student will have mastered the ability to write in Spanish on topics of general interest. This course provides practice testing in preparation for the Advanced Placement Test taken in May.

Typical World Language Sequence

Grade 9	Grade 10	Grade 11	Grade 12
Spanish 1 202 or Italian 1 272 or French I 200	Spanish 2/3 222 or Italian 2 274 or French 2 220	Spanish 2/3/4 Honors (241) or Spanish 3 (242) or Italian 3 H (277) or French 3 H (250)	Spanish 4 Honors 261 or Italian 4 H 279 or French 4 H 270
*Spanish Heritage 1 204	*Spanish Heritage 2 224	*Spanish 4 Honors 252	AP Spanish 292
Spanish Heritage 2 224	Spanish 4 Honors 252	AP Spanish 292	



ENGLISH AS A SECOND LANGUAGE (ESL)

English as a Second Language: Statement of Purpose

The South Plainfield School District's English as a Second Language Program (ESL) provides assistance to students who are learning to speak English. The goal of the program is to develop proficiency in listening, reading and writing English. Students whose native language is not English are given the WIDA ACCESS FOR ELLs upon entering the district. They are then placed in the appropriate level of language arts (ESL 1, 2, or 3) according to their proficiency in English.

ESL students are given an annual New Jersey, state-mandated test to measure their progress in acquiring English. Those who score above the Standard Score Cut Points, and satisfy multiple criteria indicating readiness, may exit the ESL Program.

The instructional program at South Plainfield High School provides students with the opportunity to meet these requirements and helps them adjust to the social demands of American society.

Course #	001	Course Name	Language Arts Beginner	Grade	9-12	Credits	5
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This course is intended for those students whose native language is other than English and who are non-English speaking. The course is designed to introduce English skills through a fourfold language approach: listening, speaking, reading, and writing. You will begin to acquire a command of grammar, pronunciation, and vocabulary. The course also orients you to the new culture while you are acquiring the basic mechanical skills of the English language.

Course #	002	Course Name	Language Arts Intermediate	Grade	9-12	Credits	5
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Prerequisite: *Successful completion of Language Arts Beginner and/or placement test.*

This course is intended for those students whose native language is other than English and whose knowledge of English is at an intermediate level. The course will continue to emphasize and further develop the basic skills of listening, speaking, reading, writing with an emphasis on English pronunciation. You will also study the cultures and lifestyles of Americans.

Course #	003	Course Name	Language Arts Advanced	Grade	9-12	Credits	5
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Prerequisite: *Successful completion of Language Arts Intermediate and/or placement test.*

This course is intended for those students whose native language is other than English and whose knowledge of English is at an advanced level. The program is designed to improve the English skills of listening, speaking, reading, and writing to a level where you can achieve success in mainstream classes. Citizenship, career information, and advanced vocabulary are an integral part of the program.

Course #	004	Course Name	Language Arts 4	Grade	12	Credits	5
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Prerequisite: Successful completion of Language Arts Advanced and/or placement test.

Course #	007	Course Name	ESL Across the Curriculum	Grade	9-12	Credits	5
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This course is designed to prepare LEP students for success in core content area classes and is geared toward the academic language, vocabulary, and basic concepts of mathematics. Students are engaged in learning activities that encourage them to actively discuss mathematics information, explain problems in groups, share knowledge, check understanding and maximize the use of English across the curriculum.

Course #	008	Course Name	Reading/Writing Lab Beginner	Grade	9-12	Credits	5
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This course is designed for the Limited English Proficient student (LEP) who requires additional instruction in reading and writing skills, as determined by the student's performance on the NJSLA and/or the WIDA ACCESS FOR ELLs. The level and depth of each skill taught is based upon the abilities of the students, as determined by the above test scores.

Course #	009	Course Name	Read/Writing Lab Int/Adv	Grade	9-12	Credits	5
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This course is designed to prepare intermediate and advanced ESL students to successfully pass the NJSLA and meet graduation requirements. Vocabulary development is continued through a structured program, which includes a variety of reading and writing experiences. Reading and writing skills are stressed.

SOCIAL STUDIES

Social Studies Department: Statement of Purpose

Social studies courses are offered at three levels: honors/AP, academic and general. Realizing that the degree of difficulty and mastery of subject matter varies with each student, the department seeks to place individuals within an appropriate course level in order to meet not only graduation requirements, but also personal and social needs.

Although three (3) years of social studies are required, *we strongly encourage students to take a fourth year.* For example, courses such as Government and Law, Sociology, Genocide Studies and Advanced Placement courses will provide an excellent background for careers in the social services, the Foreign Service, law, business and international trades.

Course #	321	Course Name	U.S. History 1 Honors	Grade	9	Credits	5
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Prerequisite: Teacher recommendation.

This course will provide highly motivated students with an intensive survey of United States history from the decade of the establishment of the Constitution through World War I to 1920. Students will be expected to read a college textbook, supplementary materials and historical

fiction and non-fiction. This includes a summer reading list. Students will also be expected to analyze conflicting interpretations of historians, study multicultural topics and write several papers. Designed to help students prepare for the Advanced Placement course, this course requires you to work with primary sources and to take tests that require well thought out written responses and essays. A high reading skill level is essential to achieving success in this course. In addition, independent research is a necessary part of this course.

Course #	322	Course Name	U.S. History 1	Grade	9	Credits	5
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Students taking this course will be able to assess the period from the Constitutional Convention to the eve of the Roaring 20s. At the conclusion of the course, students will know how our government, society, economy and diplomacy developed over the years 1787-1920. Weekly quizzes, unit tests, oral and written reports are required. Students will be expected to outline and maintain a class notebook that will be subject to periodic review. This course requires students to work with primary sources and discuss sources on an analytical level. Students will also be assigned historical novels.

Course #	360	Course Name	AP U.S. History	Grade	10	Credits	5
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Prerequisite: *Successful completion of US History 1 (or Honors) and teacher recommendation.* This college level course is designed for highly motivated and skilled students. The course presents an intensive examination of United States history from the colonial period to the present, with a focus on US History II. Independent reading and research will be required. Individual projects and group projects and oral presentations will also be required, with an emphasis on the interpretation of primary documents. This course provides practice testing in preparation for the Advanced Placement Exam which will be taken in May.

Course #	302	Course Name	World History	Grade	11-12	Credits	5
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This course picks up the history of humanity from the end of the Medieval Period to the 20th Century. Topics include the Renaissance and Reformation, the growth of national monarchies, the Scientific Revolution of the 17th century, the French Revolution and other democratic revolutions, Asia and Africa in the 19th and 20th centuries and the causes and results of 20th century world wars and other struggles.

Course #	303	Course Name	Intro to Psychology	Grade	10-12	Credits	2.5
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This course provides an introduction to psychology. Topics of study will include the history of psychology, human behavior, child development, personality, social issues, and mental health and well-being.

Course #	304	Course Name	Amer. Military History	Grade	10-12	Credits	2.5
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Prerequisite: *Successful completion of US History I.* This course surveys the history of the American military from the beginning of the 1900s to present day. The course offers in depth analysis on the United States national security during the age of the World Wars, the conflicts of the Cold War, the Persian Gulf War, and the era of

War on Terror. Students will examine the decision making, strategies, and outcomes of historical military leadership and how these actions positively and negatively affected the United States economically, socially, and politically. The course deals with such issues as the American attitude toward war, civil-military relations, force structure, the role of professional leadership, national security issues, and the impact of technology during this time. History is the interactive interpretation of the past and the present. What we believe about the past colors our views of the present, and our cultural context colors what we think about the past. In making interpretations, students engage in (1) gathering facts accurately, (2) questioning, analyzing, and conceptualizing those facts, and (3) communicating their findings. Students involved in the study of history must learn both the content and the process of becoming a military historian.

Course #	305	Course Name	Theology	Grade	11-12	Credits	2.5
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This class offers an introductory survey of religions from around the world in both a historical and modern context. The class will start with an examination of what contributed to the development of religions as humans emerged from hunter and gatherer to more permanent civilizations. Students will explore a few ancient polytheistic religions and the gradual move to monotheism. Students will have an opportunity to choose indigenous and tribal religions to research more closely. This class offers an analysis of patterns, practices and concepts found in most religions. We will conduct our research and our study of religion through project-based learning, allowing students to be hands on and have choice in which religions to examine more closely. We will study religions as objectively as possible, learning concepts such as cultural relativism and ethnocentrism.

Course #	342	Course Name	U.S. History 2	Grade	10	Credits	5
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Prerequisite: *Successful completion of United States History 1 / United States History 1 Honors.*
 This is a survey course of American history during the 20th century. The course examines American history from the post-World War I period through the end of the 1990s. Students will examine the changing role of the United States in domestic and world affairs. This course is designed for the college-bound student and will include collateral readings, extensive class discussions and current events. The course requires students to maintain a notebook and take tests that require essay responses.

Course #	344	Course Name	Genocide Studies	Grade	10-12	Credits	5
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Prerequisite: *This full-year course is primarily suggested for 11th and 12th graders, however: Mature 10th graders (due to content) may select this as well with the successful completion of US History 1 / Honors and teacher recommendation.*

Genocide, a term first used to refer to the Holocaust of European Jews during World War II, is generally defined as a state-sponsored, deliberately planned campaign to eradicate a particular group of people. Events of the 20th and 21st centuries have forced us to confront the reality that genocide is a recurring historical phenomenon. This course will explore specific genocides with a focus on the actions of bystanders, collaborators, resisters, and rescuers, as well as perpetrators and victims. Students of all academic levels are encouraged to take this

course. Class activities will include discussion and debate, individual and group projects and presentations, films, guest speakers and class trips.

Course #	345	Course Name	Sociology	Grade	11-12	Credits	5
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Prerequisite: Successful completion of US History 2 (or Honors) and teacher recommendation.

This course is designed for the mature college bound student. The course will be based on the introduction of the disciplines of sociology and human behavior. Students will become familiar with the basic terminology, concepts and research involved in the study of sociology. Topics that will be covered in the course will include social groups, cultures, socialization process, individual and group behavior, social organization, personality development, deviant behavior, the role of genders, adolescence, the family, the institution of marriage, criminal and antisocial behavior, the system of education and other modern social issues. This course will include tests, quizzes, debates, independent research, class discussions, lectures, outside readings, and cooperative learning activities. **This course is eligible for dual-credit enrollment through Seton Hall.**

Course #	346	Course Name	Government and Law	Grade	12	Credits	5
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Prerequisite: Successful completion of US History 2 (or Honors), or AP US History 2 and teacher recommendation.

Government: This course is designed for the mature college bound student, though is open to students from all levels of education. This course will examine the federal, state, and county levels of government. There will be extensive study and comparison of the executive, legislative and judicial branches of the U.S. government. In addition, the students will examine elections, the role of media, political parties, political corruption, and voting.

Law: This course will allow each student the unity to explore the terms, statutes, procedures, precedents, and daily applications of the U.S. legal system in their everyday lives. Students will be exposed to criminal, civil, constitutional, and juvenile laws procedures through varied case studies and scenarios that occur today in cases ranging from assault and battery to devil rights violations. Class activities will include debate, case study review, and the analysis of the enforcement of laws in society. Students will be expected to be up to date on legal news, new laws and Supreme Court cases. This course will culminate in a mock trial where all areas of the course are engaged, as students identify a legal violation in each scenario and be able to successfully prosecute or defend the accused using knowledge gained of legal procedures throughout the span of the course. (Free Elective – Not a Grad Requirement)

Course #	347	Course Name	International Relations	Grade	11-12	Credits	2.5
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Students will develop an understanding as to why the world exists as it does today. They will focus on modern-day issues to understand the role of each person in the global society. Students will be exposed to various schools of historical and contemporary political thought as a lens through which to analyze these issues. The importance of global actors, such as the United Nations, North Atlantic Treaty Organization, the World Bank, and World Trade Organization, as well as world powers such as the United States of America, European Union, China, India, and Russia, will also be exposed. Geopolitics, the importance of a nation's

location in the world, will be stressed. With this background information, students will be able to understand many of the issues today, such as terrorism, global warming and other environmental topics, global poverty, and ongoing crises such as the conflict in the Middle East.

Course #	348	Course Name	Econ. & Financial Literacy	Grade	11-12	Credits	2.5
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This course is divided between understanding national and world economic issues and understanding practical and personal financial issues and opportunities. The global view will help students make informed evaluations of current and future economic developments while their personal level will start students on a life-long personal quest to control their own financial future. Class discussions include topics of micro and macro-economic such as supply and demand, scarcity, GNP and practical topics such as credit scores, investing and taxes. Students will become familiar with on-line resources to help with practical applications. (Meets Business/Financial Literacy Graduation Requirement)

Course #	349	Course Name	Race, Gender, & Culture	Grade	11-12	Credits	2.5
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Prerequisite: Successful completion of ENG 1&2, US 1&2.

This course operates from the consideration that race, gender and ethnicity have been, and continue to be, profoundly powerful social and cultural forces in society. The major purpose of this course is to educate students to be politically, socially, and economically conscious about their personal connections to local and national history. Ethnicity Studies focuses on themes of social justice, social responsibility, and social change. The course spans from past to present, from politics to social reform, allowing students to identify similar social patterns and universal qualities present in other societies, including their own. This course will also include an Identity section where students will consider concepts related to their own personal, group, and/or national identity. Through this lens, we will examine the ways in which race, gender, and class shape and define the institutions of family, education, the legal system, citizenship, as well as the economy.

Course #	350	Course Name	History Through Film	Grade	11-12	Credits	5
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Prerequisites: Successful completion of ENG 1, ENG 2, US 1 and US 2 (all levels).

This course will involve the viewing and analysis of a number of films, which are meant to represent significant events in history. Film can be a method for the study of history, and that is the goal of this course. Students will view films and participate in related research and study that will allow them to analyze and evaluate the historical accuracy, and in some cases the inaccuracy, portrayed in film. Participating in this course will afford students a unique opportunity to use critical thinking skills to enrich their study of history. During the course the primary focus will be on three connections between film and history: films as a reflection of the time during which the film was made, film as a philosophical or historical essay from the film maker's perspective, and film as "window on the past".

Course #	361	Course Name	AP World History	Grade	11-12	Credits	5
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Prerequisite: Successful completion of US History 2 (or AP US History) and teacher recommendation.

Advanced Placement World History (AP) is a full year, college-level course that is designed to provide students with the understanding of how human societies have interacted and progressed from 8000 BCE to the present day. In this class, historical themes will be used as a structure to examine six specific time periods. Students will examine these themes through individual case studies as well as discussions and analysis using a comparative lens. In addition, students will develop skills such as: analyzing primary and secondary sources, developing and presenting a viewpoint using historical evidence, critically analyzing historical events and perspectives, researching, and effectively articulating an argument through writing. Students will prepare to take the AP exam in May. Successful performance on the exam may lead to earning college credit.

Course #	362	Course Name	AP U.S. Government & Politics	Grade	11-12	Credits	5
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Prerequisite: Successful completion of US History 1 (or Honors) and teacher recommendation.

The Advanced Placement (AP) course in US Government & Politics is designed to give students a critical perspective on the American political system. This course involves both the study of general concepts used to interpret US politics, and an examination of the various institutions, groups, beliefs, and ideas that make up the American political structure. This course is taught at a college level difficulty with the intention that all students take the AP Examination in May. Successful performance on the exam may lead to earning college credit. (Free Elective – Not a Grad Requirement)

Course #	363	Course Name	AP Psychology	Grade	10-12	Credits	5
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Prerequisites: This course is open to any 10th – 12th grade student who has a consistently strong work ethic and feels that he or she would enjoy the study of introductory psychology and its sub-disciplines.

AP Psychology is a college-level course designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. (Free Elective – Not a Grad Requirement)

Course #	364	Course Name	Sports History & Research	Grade	10-12	Credits	2.5
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Prerequisite: Successful completion of United States History 1 / United States History 1 Honors.

Students will examine the development of sports through various historical perspectives. There will be an emphasis on helping students gain a better understanding of the inner relationship that sports have on social, economic, cultural, and political forces that are at work in the United States as well as the world. Students will examine the historical context as well

as the significance of gender, race, ethnicity and social class through readings, primary sources, audio and visual materials as well as class discussions.

Course #	365	Course Name	American Entertainment & Its Impact on Society	Grade	10-12	Credits	2.5
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Prerequisite: *Successful completion of United States History 1 / United States History 1 Honors.*

This course will examine the impact of Pop Culture in the United States that helps make up our unique American culture. Students will analyze and predict how society plays a role in pop culture and the way that pop culture impacts society. Each unit will include a brief overview of the significant historical developments of the period. We will then examine the popular cultural developments that coincided with the historical events. Mass Media, music, literature, film, radio, tv, fashion and advertising will be some of the focus areas for study. This class will give an opportunity for students to investigate a variety of different pop culture influences that have become part of the American identity.

Course #	366	Course Name	AP Human Geography	Grade	10-12	Credits	5
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Prerequisite: *Successful completion of US History 1 (or Honors) and teacher recommendation.*

This course is an introductory college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes.

MATHEMATICS

Mathematics Department: Statement of Purpose

The mathematics program provides the opportunity for students to develop the skills and knowledge essential for being constructive members of society. The acquisition of problem-solving techniques is the major goal of the mathematics curricula. Students are encouraged to select courses at a level consistent with their mathematical background and abilities, to fully develop their mathematical potential. The Department provides the opportunity for students to develop the mathematical foundation and skills needed for success in the job market, or to continue their education after graduation. Preparation for the NJSLA, as well as the SAT, ACT, and other standardized tests, are also integrated into the curricula. All mathematics curricula are aligned to the applicable New Jersey Student Learning Standards.

Some full-year math courses can be taken concurrently, depending on a student's schedule, fulfillment of other graduation requirements, grade point average and performance in prior math courses. Interested students should speak with their School Counselor about specific requirements, which includes teacher recommendations and the approval of administration.

Several semester math electives are available to students that meet the pre- or co-requisites. Students should seek the guidance of their School Counselor to make sure they have room in their schedules, have already fulfilled or will fulfill other graduation requirements, and to get a sense of college entrance requirements, if applicable.

Mathematics Remediation: Math Labs 1 & 2:

All ninth, tenth and eleventh grade courses will incorporate specific preparation for the NJSLA assessments. A three-year program in mathematics is required for graduation, as well as successfully passing all state-mandated assessments.

Supplemental Math Lab courses have been designed for students whose academic performance places them at risk of not passing the state's graduation requirement. Those enrolled in Math Lab courses will also be enrolled in a regular math class. Placement into these courses is based on multiple criteria, which may include the following: (1) standardized test scores, (2) classroom performance, (3) teacher/departmental recommendation, and (4) parental input.

Course #	402	Course Name	Academic Algebra 1	Grade	9	Credits	5
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Prerequisite: Successful completion of Math 8 and both department approval/teacher recommendation.

In this freshman course, students will study the same topics covered in Algebra 1, except some will be covered at a more rigorous level and pace. Calculators will be used in this course when appropriate.

Course #	405	Course Name	Algebra 1	Grade	9	Credits	5
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Prerequisite: Successful completion of Math 8.

In this freshman course, students will study the language of algebra, the properties of real numbers and they will further develop their problem-solving skills. They will perform mathematical operations involving measured, derived or other units, solve and represent equations and inequalities graphically, solve systems of equations, develop their understanding of factoring, functions and relations and quadratics, construct and compare linear, quadratic and exponential models, summarize, represent and interpret data. The content continuously applies and connects algebraic principles with other areas of mathematics and with real-life situations. Calculators will be used in this course when appropriate.

Course #	421	Course Name	Geometry Honors	Grade	9-10	Credits	5
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Prerequisite: Successful completion of Middle School Algebra 1, Academic Algebra 1, or Algebra 1, and both teacher recommendation and department approval.

In this course, students will study the same topics covered in Geometry, except most will be covered at a more rigorous level and pace. Calculators will be used in this course when appropriate.

Course #	425	Course Name	Geometry	Grade	10	Credits	5
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Prerequisite: Successful completion of Algebra 1 or Academic Algebra 1.

This sophomore course in plane and solid geometry, which integrates standard coordinate and transformational approaches, and connects the physical and visual world of geometry with algebra. Topics covered include the study of congruence, proofs, two and three-

dimensional shapes and objects, similarity, measurement, probability, and an introduction to trigonometry. Calculators used when appropriate.

Course #	422	Course Name	Academic Geometry	Grade	10	Credits	5
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Prerequisite: Successful completion of Middle School Algebra 1, Academic Algebra 1, or Algebra 1, and both teacher recommendation and department approval.

In this course, students will study the same topics covered in Geometry, except some will be covered at a more rigorous level and pace. Calculators will be used in this course when appropriate.

Course #	441	Course Name	Algebra 2 Honors	Grade	10-11	Credits	5
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Prerequisite: Successful completion of Geometry Honors, Academic Geometry, or Geometry, and both teacher recommendation and department approval.

In this course, students will study the same topics covered in Algebra II (#445), except most will be covered at a more rigorous level and pace. Graphing calculators will be incorporated into the curriculum.

Course #	442	Course Name	Academic Algebra 2	Grade	10-12	Credits	5
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Prerequisite: Successful completion of Geometry Honors, Academic Geometry, or Geometry, and both teacher recommendation and department approval.

In this course, students will study the same topics covered in Algebra II (#445), except some will be covered at a more rigorous level and pace. Graphing calculators will be incorporated into the curriculum.

Course #	445	Course Name	Algebra 2	Grade	11-12	Credits	5
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Prerequisite: Successful completion of Academic Geometry, or Geometry.

This is a second course in algebra, which extends and builds upon the skills learned in Algebra I and Geometry and applies those to real-life situations and problem-solving. Topics to be studied include solving and representing equations and inequalities graphically, polynomial, rational and radical relationships, trigonometry, and operations with complex numbers. In addition, students will be asked to construct, compare and solve problems with linear, quadratic and exponential models, summarize, represent, manipulate and interpret data that includes appropriate units, make inferences and justify conclusions for sample surveys, experiments and observational studies, and use probability to evaluate the outcome of decisions. Graphing calculators will be incorporated into the curriculum regularly.

Course #	453	Course Name	Algebra 3 and Trigonometry	Grade	11-12	Credits	5
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Prerequisite: Successful completion of Academic Algebra 2, or Algebra 2, and both teacher recommendation and department approval.

This is a third course in Algebra which extends and builds upon the skills learned in Algebra I, Algebra II and Geometry. This course will prepare students for a liberal arts course of study

and career that does not require Calculus. The course is divided into two parts: the first semester covers topics that include functions, systems of equations and inequalities; the second semester emphasizes trigonometric and logarithmic functions. Students will be able to translate geometric descriptions and the equations for conic sections. Also covered will be an overview of vectors, operations with matrices, solid geometry and some topics in probability and statistics. **This course is eligible for dual-credit enrollment.**

Course #	455	Course Name	Math 3	Grade	12	Credits	5
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Prerequisite: *Student must be entering Senior year and successful completion of Algebra 1, Geometry, and has not yet successfully completed Algebra 2.*

This course is designed for students who are entering senior year and need to fulfill a third math course requirement for graduation. Course topics include numerical operations, linear equations/inequalities, geometry, data analysis/statistics, and nonlinear functions. This course also stresses the algebra and geometry skills necessary for success on college placement tests. Calculators are used when appropriate.

Course #	461	Course Name	Pre-Calculus Honors	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Geometry Honors, and Algebra 2 Honors – or Academic Algebra 2, and both teacher recommendation and department approval.*

This course is designed for students who intend to study Calculus or AP Calculus, and possibly continue their study of mathematics beyond high school. This is a very rigorous course whose content includes the topics covered in Academic Pre-Calculus, with the addition of the following: systems of multivariable equations, arithmetic and geometric sequences and series, vectors, polar coordinates and equations, parametric equations, conic sections and math induction. Graphing calculators will be used in this course when appropriate. **This course is eligible for dual-credit enrollment.**

Course #	462	Course Name	Academic Pre-Calculus	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Honors or Academic Algebra 2 – or Algebra 3 and Trigonometry, and both teacher recommendation and department approval.*

In this course, students will study topics including algebraic structure of the real and complex number systems, functions (trigonometric, polynomial, exponential, logarithmic, and rational and other primary functions), analytic trigonometry, partial fraction decomposition, applications of trigonometric topics (law of sines/cosines), an introduction to limits, and certain topics/applications of statistics. Graphing calculators will be used when appropriate. **This course is eligible for dual-credit enrollment.**

Course #	464	Course Name	Essentials of College Mathematics	Grade	12	Credits	5
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Prerequisite: *Successful completion of Academic Algebra 2 or Algebra 2*

This course is for students who choose to continue their education at a two-year or four-year college and will most likely not need Calculus in college or in their career. The course will cover

topics that have been introduced throughout the student's high school career with a stress on topics that will be used on college placement math exams as well as other topics. Some of the topics studied include discrete math, sets, logic, the real number system, probability, and trigonometry. Graphing calculators and other technology will be used.

Course #	465	Course Name	Fundamentals of Mathematics for the Trades	Grade	12	Credits	5
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Prerequisite: *Successful completion Academic Algebra 2 or Algebra 2*

This course is to prepare students choosing to pursue a career path that does not require college. Topics covered will include arithmetic, algebra, geometry, and probability/statistics. These topics will partially be a review of topics from previous math courses, but with an emphasis on practical skills that can be used in one of the common trades such as carpentry, plumbing, and electrical work. In addition, an emphasis will be placed on preparing non college bound students for standardized tests they could take as they prepare to graduate high school and move into the workforce (ASVAB, IBEW, Union Apprentice Aptitude Test, etc.).

Course #	481	Course Name	AP Calculus AB	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Academic Pre-Calculus, Honors Pre-Calculus, or Calculus - and both teacher recommendation and department approval.*

This college-level, Advanced Placement mathematics course, is designed for students who have completed the traditional high school mathematics sequence prior to their junior or senior year. This course will follow the AP Calculus AB syllabus specified by the College Board and result in the understanding of calculus in four ways: numerically, graphically, analytically, and verbally. Students will be prepared to take the Advanced Placement Calculus AB exam.

Course #	483	Course Name	Calculus	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Academic or Honors Pre-Calculus, and both teacher recommendation and department approval.*

This course is a third- or fourth-year option in the mathematics sequence meant for career or college-bound students that plan on entering a scientific, technical, or mathematical program of study and/or profession. In this course, students will study the basic aspects of limits, continuity, differentiation, and integration from an algebraic perspective. This course will also prepare students for a first semester college-level Calculus course. **This course is eligible for dual-credit enrollment.**

Course #	489	Course Name	AP Calculus BC	Grade	12	Credits	5
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Prerequisite: *Successful completion of AP Calculus AB, Calculus, and both teacher recommendation and department approval.*

This college-level, Advanced Placement mathematics course is designed to offer continuity for students who have completed AP Calculus AB or Calculus and are considering a rigorous program of study and career in math/science. This course offers one semester of Calculus II and one semester of Differential Equations. Among the topics to be discussed are integration

techniques, Taylor and power series, calculus in other coordinate systems, and applications of differential equations. Students will be prepared to take the AP Calculus BC Exam.

Course #	490	Course Name	AP Statistics	Grade	11-12	Credits	5
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Prerequisite: Successful completion of Algebra 2H/Algebra 2, and both teacher recommendation and department approval.

This Advanced Placement course is equivalent to a one semester, introductory, non-calculus based, college course in statistics. It is designed to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: (1) Exploring data-describing patterns and departures from patterns, (2) Sampling and experimentation- planning and conducting a study, (3) Anticipating Patterns- exploring random phenomena using probability and simulation, and (4) Statistical Inference- estimating population parameters and testing hypotheses.

MATHEMATICS ELECTIVES

To address the New Jersey Student Learning Standards in Mathematics, the Mathematics Department offers a variety of electives. If selecting from the list below—remember that semester courses (2.5 Credits) require two (2) to be selected:

Course #	508	Course Name	Intro to Engineering Design (STEM)	Grade	9-12	Credits	5
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Prerequisite: Successful completion of, or concurrent enrollment in Academic/Honors Geometry is recommended but not required for this course.

Introduction to Engineering Design (IED) is a high school level foundation course in the PLTW Engineering Program. In IED students are introduced to the engineering profession and a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Through both individual and collaborative team activities, projects, and problems, students will solve problems as they practice common engineering design and development protocols such as project management and peer review. Students will develop skill in technical representation and documentation of design solutions according to accepted technical standards, and they will use current 3D design and modeling software to represent and communicate solutions. In addition, the development of computational methods that are commonly used in engineering problem solving, including statistical analysis and mathematical modeling, are emphasized. (Free Elective – Not a Grad Requirement)

Course #	509	Course Name	Civil Engineering & Architecture (STEM)	Grade	10-12	Credits	5
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Prerequisite: Due to the level of Mathematics in this course, concurrent enrollment in Honors/Academic Algebra 2 is highly recommended but not required for this course.

This course is a specialized course in the Project Lead the Way Engineering Program. In this course students are introduced to important aspects of building and site design and

development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architectural design software. Students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills. Students will develop skill in engineering calculations, technical representation, and documentation of design solutions according to accepted technical standards and use of current 3D architectural design and modeling software to represent and communicate solutions.

Course #	510	Course Name	Statistics in Sports	Grade	10-12	Credits	2.5
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This course will use statistics to analyze situations that occur in the landscape of sports. Decision making based on statistical analysis will be the focus and will allow us to investigate situations that have occurred in the past, but also investigate the decisions made statistically on a nightly basis. We will also explore the sports betting industry and how sportsbooks have become a major aspect of professional and college sports. Statistically we can analyze the probability and expected values of turning a profit with sports books and how sports books are always going to profit despite promotions and giveaways that lead customers to specific sports books.

Typical Sequence of Courses Mathematics

Grade 9	Grade 10	Grade 11	Grade 12
Geometry Honors 421 Or Academic Geometry 422	Algebra 2 Honors 441 Or Academic Algebra 2 442	Pre-Calculus Honors 461 Or Academic Pre Calc 462	Calculus 483 or AP Calculus AB 481 or AP Calculus BC 489 or Essentials of College Math
Academic Algebra 1 402 Or Algebra 405	Academic Geometry 422 Or Geometry 425	Academic Algebra 2 442 Or Algebra 2 445	Academic Pre-Calculus 462 or Alg. 3/Trigonometry 453 Essentials of College Math 464 Fund. of Math for Trades 465 Or Math 3 455
	<u>Electives:</u> Statistics in Sports 510	<u>Electives:</u> Intro to Statistics 499 AP Statistics 490 Statistics in Sports 510	<u>Electives:</u> Intro to Statistics 499 AP Statistics 490 Statistics in Sports 510

SCIENCE

Science Department: Statement of Purpose

Students are required to successfully complete three years of science to meet the high school graduation requirement and will take a comprehensive state assessment in the spring of their junior year. At a minimum, students must take (i) laboratory biology, (ii) laboratory chemistry, environmental science, physics, or integrated science, and (iii) an additional lab/inquiry-based science. The Science Department does, however, urge students to continue beyond the three-year minimum to enhance their college and career readiness, and to further understand how science and engineering contribute to meeting the many challenges that confront society today.

It is the goal of the department to align our instruction to the Next Generation Science Standards that are rich in content and practice, to help students become critical thinkers as they deepen their understanding of core scientific concepts. Engaging in the practices of science helps students develop their scientific knowledge and utilize methods to investigate, model, and explain the world around them. Engaging in engineering practices, students identify problems and design solutions, as science and engineering are linked. This process will encourage students' curiosity and interest and motivate their continued study. Within the first year of high school, students should seek the guidance of the school counselor to plan their science program and discuss post-secondary options and college entrance requirements.

Some full-year courses can be taken concurrently, depending on a student's schedule, fulfillment of other graduation requirements, grade point average and performance in prior science courses. Interested students should speak with their school counselor about specific requirements, which will include teacher recommendations and approval of administration.

Insight and understanding of science are assisted using mathematics as a tool. The advances in science have paralleled the development of applied mathematics, and they have always been interdependent. It is strongly recommended that mathematics and science coursework be coordinated when selecting courses of study.

Course #	501	Course Name	Biology Honors	Grade	9-10	Credits	6
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Prerequisite: *Successful completion of Honors or Regular Grade 8 Science, teacher recommendation and department approval.* This course is similar to Biology, except most topics will be covered at a more rigorous level and pace. Heavy emphasis will be placed on laboratory exploration and inquiry-based learning, as well as the development of critical thinking skills.

Course #	503	Course Name	Integrated Science	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Biology.*

This course (*formerly Physical Science*) will introduce students to the fundamental structure of matter and how it changes along with the laws of motion and mechanics and their effect on matter and energy. This project-based course will bring basic Chemistry concepts and essentials of Newtonian Physics together in practical exploratory lessons built through the

lens of the Next Generation Science Standards. Discovery, analysis, collaboration, and communication surrounding carefully selected phenomena, will allow students to acquire mastery of scientific principles without the need for advanced skills in mathematical calculations. Projects will rely on oral and written presentation of results emphasizing the Claim, Evidence, and Reasoning model. Students will be exposed to characteristics of elements, compounds, reactions, and transformations traditionally covered in the chemistry curriculum. Physics curriculum content for the students will include laws of motion, gravity, basic mechanics, and simple machines.

Course #	514	Course Name	AP Seminar	Grade	11	Credits	5
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Prerequisite: *Successful completion of Honors Biology, teacher recommendation and department approval. Completion of Bioinformatics (549) also recommended (but not required). Interested students must complete the application process for entrance into this AP Capstone Program. This program is a two-year commitment to both AP seminar and AP research. A parent meeting is also required for entrance into this program.*

This full year elective course is the foundational class needed for the two-year AP Capstone diploma. AP Seminar is a foundational course that engages students in cross-curricular conversations where they can explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision so they can craft and communicate evidence-based arguments.

Course #	515	Course Name	AP Research	Grade	12	Credits	5
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Prerequisite: *Successful completion of AP Seminar, teacher recommendation, and departmental approval. Previous or concurrent enrollment in AP Biology is also highly recommended.*

This course is the culmination of the two-year AP Capstone in Science Research and Laboratory-Based Inquiry. Through this exploration, students design, plan, and conduct a yearlong investigation to address a research question. In the AP Research course, students further develop the skills acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. In the classroom and independently (while possibly consulting with an expert adviser in the field), students learn and employ research and inquiry methods to develop, manage, and conduct an in-depth investigation of an area of personal interest. The course culminates in an academic paper of 4,000 to 5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

Course #	521	Course Name	Chemistry Honors	Grade	10-11	Credits	6
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Prerequisite: *Successful completion of Biology Honors/Biology, teacher recommendation/department approval.*

Corequisite: *Honors Algebra 2/Academic Algebra 2*

This course will include all the areas of study offered in Chemistry, but will also go into the following topics, or topics covered in Chemistry to a more advanced degree: quantum mechanics, atomic and molecular structure, rates of reaction, equilibrium, oxidation-reduction reactions, organic chemistry, and gas laws. Extensive problem-solving and laboratory investigations are an integral part of this course, which meets six (6) periods a week.

Course #	522	Course Name	Biology	Grade	9-10	Credits	5
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This course is dedicated to the study of the growth, interdependence, stability, and evolution of living organisms. Students will study modern understandings in cytology, molecular and microbiology, genetics, anatomy and physiology, biogeochemical cycles, ecosystems, and changes in Earth's environmental conditions over time. An increased appreciation of all living organisms in our changing world is also developed by means of scientific experiments and inquiry.

Course #	542	Course Name	Chemistry	Grade	10-11	Credits	5
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Prerequisite: Successful completion of Biology, teacher recommendation and department approval.

Corequisite: Honors Algebra 2/Academic Algebra 2 OR Honors/Academic Geometry.

This course is a study of the composition of matter and the changes it can undergo. This includes topics such as descriptive chemistry, dimensional analysis, stoichiometry, atomic theory, kinetic molecular theory, periodic trends, energy, physical and chemical changes, reactions and bonding, solutions, acids and bases and nuclear reactions. Some aspects of organic chemistry may also be discussed. Laboratory work will be devoted to quantitative and qualitative analysis with the extraction of important chemical principles from relevant experiments. Emphasis will be placed on problem-solving, inquiry-based learning and the preparation of laboratory reports.

Course #	549	Course Name	Bioinformatics Research Hon	Grade	10	Credits	5
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Prerequisite: Successful completion of Honors Biology, teacher recommendation and departmental approval, and submission of application into this course.

This Honors-level course will provide opportunities for high school students to conduct an authentic research project in molecular biology and bioinformatics and have the opportunity to human health, the science of botany, organic agriculture, composting and the food habits of the US consumer will also be studied.

Course #	552	Course Name	Environmental Science	Grade	9-12	Credits	5
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This course focuses on the major ecological concepts and environmental problems that affect all living things. This course is a laboratory-based science class emphasizing the function of the earth's system. Emphasis is placed on the human interactions with the Earth's geologic and environmental systems, predictability of a dynamic Earth, origin and evolution of the Earth system and universe, geochemical cycles and energy in the Earth system. Students will learn about such topics as interdependence, climate and weather, biogeochemical cycles, matter and energy transformations within ecosystems, biological diversity, and evolution.

They will examine technological developments that have created environmental problems, as well as technologies that have been developed and used for environmental solutions. In addition, this course will make students aware of the impacts and interactions of living organisms and their environments.

Course #	562	Course Name	AP Biology	Grade	11-12	Credits	6
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Prerequisite: *Successful completion of Honors Biology / Biology and Honors Chemistry or Chemistry, as well as teacher recommendation and departmental approval. It is strongly recommended to enroll in Physics as a co-requisite to AP Biology. Please see your Counselor or the Science Supervisor for further information.*

This Advanced Placement course is offered to college-bound juniors and seniors who would like a second year of biology. Students will cover the approximate equivalent of a first-year college biology course. This course will consist of independent study from a college biology textbook, lectures and selected laboratory experiments. This course is aligned with the College Board's description for AP Biology and is designed to help prepare students for the Advanced Placement Biology Exam. This lab course meets six (6) periods a week.

Course #	563	Course Name	AP Chemistry	Grade	11-12	Credits	6
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Prerequisite: *Successful completion of Chemistry Honors or Chemistry, successful completion of or concurrent enrollment in Physics, and teacher recommendation and department approval.*

This Advanced Placement course is offered to college-bound juniors and seniors who would like a second year of chemistry. Students will cover the approximate equivalent of a first-year college chemistry course. This course consists of independent study from a college chemistry text, lectures, problem-solving, and selected laboratory experiments. This course is also designed to help students prepare for the Advanced Placement Chemistry Exam and meets six (6) periods a week.

Course #	565	Course Name	Academic Physics	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Chemistry, teacher recommendation and department approval.*

This is a college preparatory course, which investigates the topics of force, motion, energy, heat, light and sound, electricity, and magnetism. This science course meets 5 periods a week. Mathematics will be used on a regular basis in this course, including the ability to convert between and perform operations with scientific units, and solve or rearrange equations. **This course is eligible for dual-credit enrollment through Seton Hall.**

Course #	566	Course Name	AP Environmental Science	Grade	11-12	Credits	6
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Prerequisite: *Successful completion of Biology & Chemistry, teacher recommendation and department approval.*

The goal of this course is to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, both natural and human-made, to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving and/or

preventing them. This course will consist of independent study from a college environmental science text, lectures and selected laboratory experiments. It is also designed to help prepare students for the AP Environmental Science Exam and meets six (6) periods a week.

Course #	567	Course Name	AP Physics 1	Grade	11-12	Credits	6
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Prerequisite: Successful completion of Honors Chemistry/Chemistry, and teacher recommendation/department approval.

This Advanced Placement course is equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics, including rotational dynamics and angular momentum, work energy and power, and mechanical waves and sound. It will also introduce electric circuits. This lab course meets six (6) periods a week.

Course #	568	Course Name	AP Physics 2	Grade	12	Credits	6
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Prerequisite: Successful completion of AP Physics 1, and teacher recommendation and department approval.

This Advanced Placement course is equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, and atomic and nuclear physics. This lab course meets six (6) times a week.

Course #	569	Course Name	AP Physics C	Grade	12	Credits	6
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Prerequisite: Successful completion of Biology and Chemistry or Physical Science, teacher recommendation and department approval. Introductory differential and integral calculus are used throughout this course.

This calculus-based, college-level physics course covers both the Mechanics and Electricity and Magnetism components. Magnetism coverage includes kinematics; Newton's Laws of Motion; work, energy, and power; systems of particles and linear momentum; circular motion and rotation; oscillations; and gravitation. For Electricity and Magnetism: Especially appropriate for students planning to specialize or major in physical science or engineering. Explores such topics as: electro statics, conductors, capacitors, dielectrics, electric circuits, magnetic fields, and magnetism. Prepares students for the Advanced Placement Exam and meets six (6) periods a week.

SCIENCE ELECTIVES

Course #	525	Course Name	Intro to Anatomy & Physiology	Grade	11-12	Credits	5
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Prerequisite: Successful completion of Biology and Chemistry, teacher recommendation and department approval.

This elective course provides a comprehensive study of the anatomy and physiology of the human body. Topics include body organization; homeostasis; cytology; histology; as well as an in-depth study of the skeletal, muscular, nervous, digestive, and cardiovascular systems. Upon completion, students should be able to demonstrate an in-depth understanding of

principles of anatomy and physiology and their interrelationships. Laboratory work includes dissection of preserved specimens, microscopic study, computer simulations, and multimedia presentations. **This course is eligible for dual-credit enrollment.**

Course #	545	Course Name	Forensic Science	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Biology, teacher recommendation and department approval.* Forensic Science is designed to give students an opportunity to experience investigative laboratory science. Students will gather and/or analyze “evidence” in the areas of fingerprints, blood spatter patterns, shoe/tire prints, hair and fiber identifications, handwriting and other aspects of a crime investigation scene. This course will stress the importance of individual and group projects, time management, organization of evidence and lab/crime scene reports, which will demonstrate the responsibilities and partnerships between scientists and law officials.

Course #	548	Course Name	Food Ecology and Nutrition	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Biology, teacher recommendation and department approval.* This elective course provides students with an overview of good nutrition principles that are necessary for physical and mental wellness and a long, healthy life. Instructional materials include discussions of digestion, basic nutrients, weight management, sports and fitness, and nutrition over the lifespan. This course emphasizes an understanding of today’s food and eating trends and gives students the capacity to intelligently evaluate all available sources of nutrition information to make informed decisions. The impact of food on the physical environment, human health, the science of botany, organic agriculture, and the food habits of the US consumer will be studied. Students will use actual agricultural practices by growing various food crops in the greenhouse. Students will plant, fertilize, water, maintain and harvest any crops they grow.

Course #	570	Course Name	Infectious Diseases	Grade	11-12	Credits	2.5
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Prerequisite: *Successful completion of a course in Biology, teacher recommendation and departmental approval.*

Despite the technological and medical advances of the past century, infectious diseases remain a world-wide threat to human welfare. This course will explore both newly emerging and re-emerging infectious diseases, advances in treatments and drug-resistance. Students will examine some of the current issues in disease biology including disease emergence, bioterrorism, and the role of humans as disease reservoirs for wildlife. Students will understand how to construct models of specific disease systems and make predictions about controlling disease and the role of humans in the spread of disease throughout the world. The goal of this semester course is to give students a basic understanding of the causes, pathology, and treatments of human infectious diseases and opportunities to explore how socioeconomic conditions and human decisions affect the spread of disease.

Course #	572	Course Name	The Biology of Cancer	Grade	11-12	Credits	2.5
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Prerequisite: *Successful completion of Biology, teacher recommendation and department approval.*

This course is designed for students who are interested in developing an understanding of cancer, how it arises in people and how our knowledge of cancer has enhanced its treatment. Students will learn about the cell cycle, how it's controlled, and what goes wrong during cancer. In this course, students will study the risk factors of major cancers worldwide, including lung, colon, prostate, liver, and stomach cancer. This course will also include an entire unit devoted to the study of breast cancer.

Typical Sequence of Courses Science

	Grade 9	Grade 10	Grade 11	Grade 12
Core Classes	Biology H 501	Chemistry H 521 Chemistry 542	AP Physics I 567 Physics 565 AP Env. Sci.	AP Science Science Elective(s)
	Biology 522	Chemistry 542 Environmental Science 552	Physics 565 Chemistry 542 Integrated Science 503	AP Science Science Physics 565 Elective(s)
	Environmental Science 552	Biology 522	Chemistry 542 Integrated Science 503	AP Science Science Physics 565 Elective(s)
Electives*		Bioinformatics H **	AP Electives	AP Electives

*Please speak to your school counselor regarding electives. Science electives generally **DO NOT** fulfill a graduation requirement in science.

**3-year research electives



BUSINESS

Business Education Department: Statement of Purpose

The Business Education Department realizes that technological developments and the rapid pace of changes in our society have significant implications for business education. These implications include the importance of career education. We offer organized experiences that enable students to acquire the skills needed for employment. These experiences will give students the opportunity to obtain knowledge in areas related to these skills and provide an opportunity for the student to acquire the attitudes and work habits needed for success in employment. These experiences cannot be restricted to goals of job entry skills. They are the basis for growth in skills and knowledge of employment or additional career education.

Course #	604	Course Name	Introduction to Business	Grade	9-10	Credits	5
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This course will encompass the basic components of modern business concepts. It is designed to serve as a background for other business courses you may take in high school or college, prepare you for future employment or business ownership, and make you a better-informed citizen of our expanding international economy. If you have identified a career in the business world, or if you are still undecided, this course is for you. Mastery of business concepts will provide the level of knowledge necessary to understand the components of a small privately-owned business to those of a major industrial business. (Meets Fin Lit Grad Requirement)

Course #	626	Course Name	Accounting 1	Grade	10-12	Credits	5
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This course teaches basic skills and develops values and attitudes useful in gaining entry into the fields of accounting, business administration, marketing, management or finance. It will assist students to develop an overall picture of the total process of business systems and prepare them for further study and career advancement in the business world and personal everyday activities. This course will introduce the fundamentals of the double entry system of accounting. Service and merchandising transactions will be recorded and summarized through the general, accounts receivable and accounts payable ledgers. Emphasis will also be placed on the study of payrolls and the various tax deductions authorized by the state and federal governments. Basic accounting systems and procedures will be introduced through the preparation of the worksheet and financial reports. The addition of computerized accounting in this course will enable students to experience real life situations using current computer applications to enhance their knowledge. (Meets Fin Lit Grad Requirement)

Course #	627	Course Name	Accounting 2	Grade	11-12	Credits	5
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Prerequisite: Successful completion of Accounting 1.

This advanced course will prepare college-bound students who intend to major in accounting, business administration, marketing, management, or finance. It is also designed for students who want to become accounting clerks or accounts assistants upon graduation from high school. This course will broaden and improve the student's knowledge by studying accounting procedures as applied to corporation forms of business. Practical experience is gained using integrated accounting software. Spreadsheets are primary formats for all accounting

practices and by the end of this course students will be proficient in their preparation of financial reports using Excel. (Meets Fin Lit Grad Requirement)

Course #	628	Course Name	Marketing	Grade	11-12	Credits	5
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Marketing is a course designed to provide students with the fundamental concepts, principles, skills, and attitudes common to the field of marketing. It is a project-based course that develops student understanding and skills in the functional areas of marketing: channel management, marketing-information management, market planning, pricing, product/service management, promotion, consumer behavior, and selling. Students acquire an understanding and appreciation of each of the marketing functions and their ethical and legal issues. (Meets 21st Century Grad Req)

Course #	630	Course Name	Entrepreneurship	Grade	10-12	Credits	2.5
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In this course, students will learn what is involved in starting and operating a successful business. Students will discuss current events as they relate to the ideas and concepts of starting their own business. This is a hands-on, activity-based course in which students formulate a business plan and learn how new businesses are created. Exploration will take place on various entrepreneurs. Throughout this course we will study and analyze what leads to the success and failure of various business ventures. Course will be aligned with the DECA curriculum and support the SPHS Chapter of DECA. (Meets Fin Lit Grad Requirement) or (Meets 2.5/5.0 credits of 21st Century Grad Req).

Course #	631	Course Name	International Business	Grade	10-12	Credits	2.5
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This course will help students develop an understanding regarding the global marketplace and how businesses throughout the world interact with each other. Cultural customs and traditions, trade, currency, business travel, geography, current events, international marketing, global issues, and career opportunities will be major topics of discussion. Areas to be covered include the awareness of the impact of International Business, communication strategies, environmental factors, ethics, finance, management practices, and import/export and balance of trade issues. Students will gain awareness of the growing need for becoming active in a global business economy and provide a solid foundation for college courses in business and international studies. Students will learn the fundamentals of international business with a “hands-on” approach. There is a focus on current events and travel. Case studies and research on multinational businesses will be studied. (Meets 2.5/5.0 credits of 21st Century Grad Req)

Course #	643	Course Name	Business Law	Grade	11-12	Credits	5
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This course emphasizes an individual’s legal rights in everyday personal and business relations. Through discussion, lectures and cases, students will learn about our social and economic systems and the importance of law within their frameworks. The primary objective is to prepare individuals for recognizing their rights in contractual relationships, as well as the rights of others. (Meets 21st Century Grad Req)

Course #	646	Course Name	Sports/Entertain Management	Grade	10-12	Credits	2.5
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This specialized course is recommended for students who have a career interest in sports, entertainment, and recreation. In addition to providing fundamental knowledge of national and global marketing, this course is designed to equip students with entry-level competencies in the areas of sponsorship, promotions, advertising, legal contracts, agents, event marketing, and communications. Various relevant career options will be explored within these fields. (Meets 2.5/5.0 credits of 21st Century Grad Req)

Course #	650	Course Name	Personal Financial Management	Grade	11-12	Credits	5
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Prerequisite: *Proficiency in basic mathematical operations.*

Personal Financial Management is designed to give students a perspective on financial issues and the knowledge and skills necessary to make wise financial decision making. Specific issues addressed will include changing technologies, stress management, investments, insurance, recreation and leisure, budgeting, tax shelters, office politics and personal finance strategies. Technology will be integrated with related topics. (Meets Fin Lit Grad Requirement) or (Meets 21st Century Grad Req)

Course #	652	Course Name	Cybersecurity	Grade	10-12	Credits	5
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Prerequisite: *Successful completion of Academic Algebra 1, teacher rec & department approval.*

This course introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked. In Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. (Meets 21st Century Grad Req)

Course #	660	Course Name	AP Computer Science A	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Intro to Computer Sci, Academic Algebra 2, teacher rec & department approval.*

The content of this Advanced Placement course focuses on the development of computer programming to solve problems. Using an object-oriented programming language, JAVA, the students will understand program design, implementation of algorithms, data structures, program testing and debugging. This is a college level course which prepares students for the Advanced Placement Computer Science "A" Exam. (Meets 21st Century Grad Req)

Course #	661	Course Name	Introduction to Computer Science	Grade	9-12	Credits	5
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Prerequisite: *Successful completion of/concurrent enrollment in Academic Algebra 1, teacher rec & department approval.*

This year-long course will expose students to a diverse set of computational thinking concepts, fundamentals, and tools, allowing them to gain understanding and build

confidence. In Introduction to Computer Science, students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites and learn how to make computers work together to put their design into practice. Students will apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them. This course provides a solid foundation for the Advanced Placement Computer Science course. (Meets 21st Century Grad Req)

Course #	664	Course Name	AP Microeconomics	Grade	11-12	Credits	5
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Pre/Co-Requisite: *Successful completion of/concurrent enrollment in Academic/Hon Alg. Also—any Senior taking this course who has yet to fulfill their 21st Century grad requirement, MUST have successfully passed any AP course prior to taking this course.*

This Advanced Placement course provides students with a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. This is a college-level course which prepares students for the Advanced Placement Microeconomics Exam. (**Offered Fall of Even Years**). (Meets Fin Lit Grad Requirement) or (Meets 21st Century Grad Req)

Course #	665	Course Name	AP Macroeconomics	Grade	11-12	Credits	5
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Pre/Co-Requisite: *Successful completion of/concurrent enrollment in Academic/Hon Alg. Also—any Senior taking this course who has yet to fulfill their 21st Century grad requirement, MUST have successfully passed any AP course prior to taking this course.*

This Advanced Placement course is designed to give students a comprehensive understanding of the principles of economics that apply to an economic system. This is a college-level course which prepares students for the Advanced Placement Macroeconomics Exam. (**Offered Fall of Odd Years**). (Meets Fin Lit Grad Requirement) or (Meets 21st Century Grad Req)

Course #	683	Course Name	Tomorrow's Teachers	Grade	12	Credits	5
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This course is designed to provide high school students with classroom and field experiences that will enable them to make informed decisions regarding careers in education and provide future community leaders with insights about teachers and schools so that they will be civic advocates of education. Students will: examine the multiple responsibilities and understand the professional roles of a teacher, 2) explore diverse career options in education, 3) observe, explore, and utilize effective teaching practices, 4) recognize aspects of human growth and development that relate to learning, 5) develop and demonstrate leadership, interpersonal, intrapersonal and self-evaluation skills, 6) develop an understanding of school structures, operations, and policies, and 7) discuss and understand the complexities of critical issues in education. **This course is eligible for dual-credit enrollment. Course application required.**

Course #	684	Course Name	Cooperative Education	Grade	12	Credits	15
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The New Jersey Student Learning Standards require that our students learn Workplace Readiness Skills to prepare for a successful and knowledgeable entry into the workforce. Our Cooperative Education Program is an internship, which provides students with a first-hand opportunity to work as they attend school, as well as acquire graduation credits. Classroom instruction directly relates to the student’s cooperative business, industrial and marketing work experience. This course covers various aspects of employment, including preparation of resumes, obtaining skills and techniques needed for the interview process, job training, human relations, and case problems related to their on-the-job training. (Meets 21st Century Grad Req)

Course #	685	Course Name	Career Education	Grade	11-12	Credits	5
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This course is designed to help juniors and seniors gain personal skills, understand career options, and prepare for post-high school employment. Career counseling throughout the year provides students with career trends, career aptitude assessment, and skills for resume development and job interview strategies. (Meets 21st Century Grad Req)

Course #	690	Course Name	Intro to Macroeconomics	Grade	10-12	Credits	2.5
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Students will be introduced to the basic concepts of macroeconomy. This course is designed to entice students into studying AP Economics. Understanding of supply and demand, price and quantity controls, the business cycle as it relates to fiscal and monetary policy. Students will calculate and interpret economic measurements such as GDP, CPI, PPI, unemployment, and inflation. Students will demonstrate economic concepts through graphing. Reading, audio-visual presentations, practice problems, as well as classroom discussions will be utilized to achieve success in this course. (**Offered Fall of Even Years— will be offered Fall 2024**). (Meets Fin Lit Grad Requirement) (Meets 21st Century Grad Req)

Course #	691	Course Name	Intro to Microeconomics	Grade	10-12	Credits	2.5
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Students will be introduced to the basic concepts of the microeconomy. This course is designed to entice students into studying AP Economics. Understanding of supply and demand, price and quantity controls, market structures. Students will calculate and interpret economic measurements such as elasticities, profit, game theory, market failure and the role of government. Students will demonstrate economic concepts through graphing. Reading, audio-visual presentations, practice problems, as well as classroom discussions will be utilized to achieve success in this course. (**Offered Fall of Odd Years**). (Meets Fin Lit Grad Requirement) or (Meets 21st Century Grad Req)

Course #	692	Course Name	Hospitality/Business Mgmt.	Grade	10-12	Credits	2.5
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General business course with a focus on the restaurant, hotel, tourism industry, advertising, and promotions. Potentially for students that are interested in majoring in this field.

Ownership, event planning, working in resorts and service industry. (Meets 21st Century Grad Req)

Course #	693	Course Name	Real Estate	Grade	10-12	Credits	2.5
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A real estate course exposes students to a variety of business concepts and development and investment best practices. Core areas of study include real estate investment and appraisal, and applicable laws and urban development concepts. Programs emphasize data-driven decision-making and analysis. (Meets 21st Century Grad Req)

ART

Art Department: Statement of Purpose

The focus of the South Plainfield Art Department is to foster critical and creative thinking through the visual arts. Art is a mode of communication through which students will develop their skills of personal expression and cooperative learning. Students will expand their appreciation of all cultures and gain a respect for the arts. Students will learn different technical skills to create art projects, understand and apply the steps of the creative process, and develop the ability to communicate through images and words.

Course #	700	Course Name	Art Exploration	Grade	9-12	Credits	5
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In this introductory course, students will experiment in both fine arts and crafts. Fine Arts include the study of two-dimensional work such as abstract and realistic drawing and painting. In addition, students will learn to use pencil, pastels, collage, watercolors, tempera paints and acrylic paints. Art History and careers will be integrated into student studies.

Course #	720	Course Name	Painting and Drawing	Grade	10-12	Credits	5
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Prerequisite: Successful completion of Art Exploration and teacher recommendation.

Building upon the techniques learned in Art Exploration, students will have the opportunity to expand those skills while experimenting with pen and ink, pastels, collage, paint and charcoal, watercolors, acrylic and oils in the creation of realistic and abstract art projects. This course also coordinates the study of past and present artists with selected student art projects. Careers in art will be explored.

Course #	742	Course Name	Sculpture	Grade	10-12	Credits	5
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Prerequisite: Successful completion of Art Exploration, and teacher recommendation.

This full-year course will introduce students to the two basic sculptural processes: additive and subtractive, which will be used in the creation of three-dimensional forms. This course will integrate the basic methods of producing sculpture in a series of studio experiences which include skill development in modeling, constructing, and assembling. Students will have the opportunity to work with a variety of media including clay, wood, wire, plaster, metal, fiber, plastic, cardboard, paper, and found objects. Students will also have the opportunity to make informed critical and aesthetic judgments as they create art, while understanding the

historical and cultural influences of sculpture and crafts. This course is highly recommended for students with an interest in art or art-related careers.

Course #	730	Course Name	Advanced Studio	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Painting and Drawing, and teacher recommendation.*

This third-year course will develop the student's ability to draw and paint and will also allow for further exploration and development of skills using pen, ink, oil pastels, and paint. This course will also include a focus on art appreciation, art history and art careers. Throughout this course, students may begin working on their AP Studio Art Portfolio to submit to the College Board.

Course #	731	Course Name	AP Studio Art	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Advanced Studio, teacher recommendation, and dept. approval.*

This Advanced Placement course is for students interested in a rigorous and focused study in art. Students will develop a quality portfolio that demonstrates a mastery of concept, composition, and execution in 2D design. This course is based on a student creating a body of work that demonstrates quality, concentration, and breadth. This portfolio will be submitted to the College Board for college credit. As in any college level course, students will be expected to work independently and spend a considerable amount of time outside of class to complete assignments.

Course #	750	Course Name	Yearbook Design & Production	Grade	10-12	Credits	5
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Prerequisite: *A minimum "B" average in Art Exploration or Graphic Arts 1 and interview/approval from Yearbook Advisor.* Students in this year-long course are responsible for the design and publication of the high school yearbook. Students will learn layout and design, preparation and selling of advertisement, and the selling and marketing of the publication. Students must have good writing skills, produce quality work, work together in groups, must be able to handle deadline pressures, and work both independently and as part of a team. Students should expect to spend additional time outside of the classroom working on the publication; this will also count as part of the course grade.

MUSIC

Music Department: Statement of Purpose

The goal of the music department is to develop an understanding and appreciation of the various types, styles, and forms of music across cultures and time periods. Music participation emphasizes the ability to work with others as a member of a team, learn the importance of cooperation and collaboration, acceptance of leadership and of differences, and the need for self-discipline. Students are made aware of the possibility's music offers as a career and demonstrate knowledge of music in a historical context as well as an understanding of the structural elements of music. Students participating in ensembles will understand these skills through performance.

Course #	704	Course Name	Music Experience	Grade	9-12	Credits	5
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This course is designed for the student, regardless of musical background, who wishes to explore various styles, forms and uses of music in our lives. Opera, musical theater, music in film, jazz and important classical composers over the centuries will be explored. Emphasis will be placed on an active listening program, including various audio recordings, visual presentations and opportunities to experience live performances.

Course #	762	Course Name	Intro to Music Theory	Grade	9-12	Credits	5
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This course is designed to provide students with a background in music theory. They will study lines and spaces of all clefs, major and minor scales and how to build them. The elements of music (i.e. melody, harmony, rhythm, timbre, etc.) and intervals as they relate to chords will be studied. This course will help prepare the student for Advanced Placement Music Theory.

Course #	764	Course Name	Intro to Music Technology	Grade	9-12	Credits	5
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This course will introduce many aspects of music technology, including hands-on experience in the production and recording of music. Over the course of the year, students will learn the principles of audio recording and will create several original musical compositions. Students will be expected to demonstrate the ability to master and utilize technology used in the recording studio and throughout the industry.

Course #	769	Course Name	Chorus	Grade	9-12	Credits	5
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This course will help the student gain fundamental experience in choral singing. Such basics can then serve for promotion into extracurricular chorus groups. In addition, students will be able to enjoy singing without a burdensome performance schedule. Choral singing will be stressed, and vocalists will interpret various musical types. All choral members will participate in periodic school concerts. Individual voice lessons and music reading are an integral part of the course.

Course #	770	Course Name	Performance Band	Grade	9-12	Credits	5
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Enrollment in this course will allow students to learn standard band literature through performance, improve individual and group musicianship, and provide musical selections for school activities. The band performs at football games in the fall and as a concert band during winter and spring. The required marching band rehearsal will be held on Monday, Wednesday, and Fridays from 2:45 p.m. to 5:00 p.m. during the marching season. Lessons will be provided on a rotating basis once a week. Other performances include the Holiday Concert, the All-District Festival, the Spring Concert, National Honor Society Induction and Commencement. Occasionally, the band will perform at district elementary school concerts. Students will receive an additional .1 quality point in their GPA calculation due to the additional afternoon, evening, and/or weekend hours of participation.

Course #	771	Course Name	Jazz Ensemble	Grade	9-12	Credits	5
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Prerequisite: *Successful Audition.*

This course is designed for the advanced music student. Acceptance will depend on instrument proficiency. Students will be involved in a highly specialized program, which may enable them to enter the music field on a professional level. Included in the course content will be intensified instruction on individualized instruments, a comprehensive study of all forms of jazz and rock/popular music. Most importantly, you will learn how to develop stylized ensemble playing. Participation in all performances will be required.

Course #	775	Course Name	Concert Band	Grade	9-12	Credits	5
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This course is the same as Performance Band, without the Marching Band component. Students are required to participate in all related activities.

Course #	779	Course Name	AP Music Theory	Grade	10-12	Credits	5
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This Advanced Placement course will allow students to learn music theory at the college level. Instruction will include all of the following required elements: Pitch notation, intervals, rhythmic notation, melody, harmony, form and analysis, four voice part writing, dissonance, non-harmonic tones, cadences, chord structure analysis, modes, major and minor scales, suspensions, secondary dominants, sight singing and ear training. A variety of music will be discussed, primarily music of the Baroque Period, as well as the Classical and Romantic Periods. Modern music will also be discussed but is not the focus of this course. This is a hands-on course, requiring written assignments, performance skills, sight singing, listening assignments, creativity, and critique. A working knowledge of the bass clef and treble clef is required, as is basic rhythm. Piano skills are not required but would enhance one's success. Students should have a working knowledge of scales, major and minor, as well as simple chord construction. Listening skills will be developed through this course. Students will be required to listen to, identify and discuss various works of music from the required listening list.

Course #	781	Course Name	Orchestra	Grade	9-12	Credits	5
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This course is open to students who play violin, viola, cello, and string bass. Emphasis will be on the development of individual string skills. You will learn standard orchestra literature through performance, especially at school concerts and the seasonal concerts. Musical forms will be studied and intensified; individual instruction provided. Most importantly, students will learn how to develop a string ensemble sound. Students are expected to participate in all performances.

Course #	785	Course Name	Guitar I	Grade	9-12	Credits	2.5
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This course is open to students who wish to learn how to play guitar. No prior knowledge of the guitar is necessary. Students will learn how to play basic melodies, chord progressions, and strumming patterns. Students will learn basic repertoire and learn how to read guitar tabs and music notation. All course materials are provided.

Course #	786	Course Name	Guitar II	Grade	9-12	Credits	2.5
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Prerequisite- Guitar I or teacher recommendation

This course expands on the content of Guitar I. Students will learn barre chords and fingerpicking techniques. Students will continue developing individual playing techniques and perform full repertoire. All course materials are provided.

Course #	787	Course Name	Theater Vocal Music	Grade	9-12	Credits	2.5
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Prerequisite: Successful completion of one year of chorus along with individual performance ability.

This course is designed to stimulate student growth in musical theater vocal performance with performance, basic theory, listening, history, etc. Students will be learning pieces based on their previous level of experience that they will be performing individually throughout class time. All students will also complete work in music theory and history to teach them the knowledge necessary to form a lifelong enjoyment of musical theater. Students will enjoy a collaborative environment where performances are analyzed to maximize individual growth and performance.

APPLIED TECHNOLOGY

Applied Technologies: Statement of Purpose:

The South Plainfield High School Applied Technologies Department aspires to graduate students who are skilled critical thinkers, problem-solvers, innovators, and team players. We will develop the minds of lifelong learners by providing access to a variety of course offerings that will support the creativity and curiosity of all students. At the conclusion of their high school career, our students will be capable of applying their acquired knowledge and skills to contemporary issues, making connections between the theoretical and applied disciplines, and pursuing post-secondary education or careers in the fields of technology. **All applied technology courses fulfill the 21st century life skills graduation requirement.**

Course #	800	Course Name	Introduction to CAD	Grade	9-12	Credits	5
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This course introduces students to the principles of engineering/architectural drawing employing Computer-Aided-Drafting (CAD) techniques. Describes and demonstrates the Principles of Engineering design to include technical sketching, CAD techniques, drafting standards, multi-view drawing, dimensioning, isometric drawing, sections, mechanical working drawings, architectural working drawings, and 3D modeling basics using multiple digital design software packages across various computer platforms.

Course #	801	Course Name	Engineering CAD Applications	Grade	10-12	Credits	5
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Prerequisite: Successful completion of Introduction to CAD.

Studies include an analysis of the fundamentals of architecture, including room planning, styles of houses, local codes, and green technologies. You will spend part of the course developing plans for projects and the other part of the course building scale models of the projects you designed. The use of CAD will be an integral part of the course.

Course #	802	Course Name	Advanced Principles of Design	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Introduction to CAD & Engineering CAD Applications.*

This course is a capstone course experience for programs with a focus in computer-aided design. Proactive problem solving is used in delineating problems and arriving at solutions. Emphasis is placed on the use of design principles and computer technology in planning, managing, and completing a design project. Upon completion, students should be able to plan and produce engineering documents of a design project, including solid models, working drawings, Bills of Material, and will create complete working prototypes of their designs/projects utilizing state-of-the-art rapid-prototyping equipment such as 3D printers and various CNC machines. This is an advanced curriculum and is recommended to any student pursuing a degree in design, technology, architecture, or any one of the engineering disciplines.

Course #	830	Course Name	Intro to Wood Technology 1	Grade	9-12	Credits	5
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This course is designed to give the students a comprehensive look at woodworking tools, equipment, manufacturing products, and safety. With the emphasis of safety in the workplace, spend a large portion of our time going over safe work habits. It is taught as if the student has no previous woodworking experience. The basic idea of the class is to teach correct usage and safety of most hand tools and many power tools. Areas of study include woodworking, planning, finishing and shop safety. After the required projects are completed, the students will choose a project of their own with the guidance of the instructor.

Course #	831	Course Name	Wood Technology 2	Grade	10-12	Credits	5
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Prerequisite: *Successful completion of Intro to Wood Technology 1.*

This course is designed to give the student maximum opportunity to progress as a semi-skilled operator of machine tools. Students will learn advanced joinery and construction techniques. In addition, they will study the fundamentals of materials, tools, machines and processes used in the furniture industry, which will help them design and build a piece of furniture. Through research, students will have a chance to explore the careers of the millworker in the American workplace. Students will then design and construct a piece of furniture guided by the instructor.

Course #	832	Course Name	Wood Technology 3	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Wood Technology 1 & 2.*

This course is designed for students to learn techniques in the design and construction of household cabinetry. Students will learn advanced joinery and construction techniques, which will help them design and build cabinets. Construction of face frames, doors, and drawers will be emphasized along with special tools and techniques used to make the cabinets. Through manufacturing cabinetry, students will learn to use advanced woodworking techniques and equipment to design, and mass produce a product.

Course #	840	Course Name	Graphic Arts 1	Grade	9-12	Credits	5
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Interested in Graphic Design and Digital Imaging? This hands-on course will allow students to learn the fundamentals of graphic design technology and printing techniques, the history of the graphic design industry, and opportunities for careers within the industry. Students will create a variety of projects ranging from creating digital wallpapers, photo manipulation/retouching, and logo design, using industry standard software, Adobe Creative Cloud Suite. The software and techniques taught are particularly popular with graphic designers, web designers, digital artists, and game artists. Professional level skills in this area will be covered to provide students with the basis for creating a digital portfolio.

Course #	841	Course Name	Graphic Arts 2	Grade	10-12	Credits	5
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Prerequisite: *Successful completion of Graphic Arts 1.*

This course covers advanced concepts and processes of graphic design. Students explore the creative process by combining bitmap, vector graphic, and page layout software, as well as traditional art and design media, toward original design solutions. Projects involve advanced digital imaging and typography, packaging and multi-page documents, pre-press and internet preparation. Emphasis is placed on the relationship between individual creative and critical thinking skills and the designer's role within professional, cultural and historical contexts.

Course #	842	Course Name	Graphic Arts 3	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Graphic Arts 1 & 2*

As the third second course in Graphics Communication and Graphics Design Pathways, this course builds on the knowledge and skills acquired in Graphics 1 & 2 and focuses on procedures commonly used in the graphic communication and design industries. Students will gain more experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic design and graphic communications.

Course #	843	Course Name	Animation	Grade	10-12	Credits	5
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Prerequisite: *Successful completion of Graphic Arts 1.*

This course is designed to give students exposure to a wide range of animation techniques. Students will use industry standard animation and interactivity tools- Adobe Photoshop, Autodesk Maya, Adobe Premiere & Adobe After Effects- to get a foothold into the exciting multimedia world. During this course, students will explore the history and evolution of early animation. Emphasis will be on the processes involved in creation of animation stressing teamwork, storyboarding, creating character, stage design and sound design. The class will consist of demonstrations, viewing of related works, hands-on experimentation, and critique. Projects will further student's exploration of animation approaches and techniques.

Course #	845	Course Name	Broadcasting 1	Grade	9-12	Credits	5
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Students will work in a lab style setting in this project-based course. All assignments are designed to introduce the students to the different styles of video production and its applications. Students will master technical skills involving cameras, digital editing, graphics for video, lighting, and broadcasting equipment. This knowledge gained will be actively applied through video composition, continuity, audio quality and story content. Students will experience all three phases of video production: Pre-production, production, and post-production as well as television broadcasting through involvement in Tiger TV. Being an on-air personality for Tiger TV is NOT mandatory. Students interested in a career in film, television, animation, graphic design, broadcast journalism, advertising or creative writing will enjoy this class.

Course #	846	Course Name	Broadcasting 2	Grade	10-12	Credits	5
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Prerequisite: *Successful completion of Broadcasting 1.*

This full-year course will build on the skills learned in the Broadcasting 1 course. Students will explore the techniques and styles of various video genres, while learning advanced production skills. The class is project-based and collaborative, and emphasizes writing, creativity, and the development of professional skills. Students will also use advanced editing and special effects software to increase the quality of their productions.

Course #	847	Course Name	Broadcasting 3	Grade	11-12	Credits	5
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Prerequisite: *Successful completion of Broadcasting 2.*

This is an advanced course, challenging students beyond the first two levels. Students will focus on the technical training and skills of working in a television production studio as well as advanced scripting and pre-production planning. Students will research and create a short documentary. Narrative filmmaking is also covered including production, scriptwriting and advanced editing.

Course #	848	Course Name	Broadcasting 4	Grade	12	Credits	5
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Prerequisite: *Successful completion of Broadcasting 3.*

This is the capstone course, which builds on Broadcasting 3, and challenges students beyond the first three levels. Students will focus on the technical training and skills of working in a first-rate, operating television studio. This includes taking a lead role in all aspects of production and field work, building upon the concepts, challenges and projects encountered at the previous level.

Course #	851	Course Name	Intro to Manufacturing	Grade	10-12	Credits	2.5
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Prerequisite: *Successful completion of Introduction to Wood Tech.*

Students in this program focus on skilled manufacturing, machining, and advanced manufacturing, and learn how products are taken from concept to consumer using the latest technology to compete in a global marketplace. They learn computer-aided design (CAD),

engineering drawing, sketching, laser engraving, 3D Printing, and CNC Machining along with several computer programs used in today’s highly technical manufacturing operations. Students will benefit from internal partnerships with Tiger Farms to manufacture custom products for sale in their store. As well as external partnerships with the community businesses to complete community projects. All donations are reinvested back into the class to continue the curriculum moving forward.

Course #	853	Course Name	Architecture	Grade	10-12	Credits	2.5
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Students work on a series of projects where they assume the roles of engineer, architect, and industrial designer. They continue to learn industry specific design standards and learn best practices for using a variety of architectural design programs (including but not limited to AutoCAD & Revit). They bring their ideas to life with digital fabrication technologies like 3D printing and laser cutting. Students may choose to refine their projects as a part of their ongoing college admissions portfolio development program.

Course #	854	Course Name	Social Media & Society	Grade	10-12	Credits	2.5
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Prerequisite: Successful completion of Graphics 1 and English 1
 This class takes a critical approach to understanding the relationship between society and social media and how to create engaging content for the 21st century. To create informative and responsible content, this course will explore the development of social media through social, political, historical, and business contexts. Students will ultimately be able to critique, analyze, and create visual content for social media while understanding the implications of their digital footprint.

FAMILY & CONSUMER SCIENCES

Course #	870	Course Name	Culinary Arts 1	Grade	10-12	Credits	5
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Our culinary arts program is aligned to the National Restaurant Association’s *ProStart* curriculum. This career and technical education program unites the foodservice industry and the classroom to teach students culinary skills and restaurant management principles, as well as employability skills such as communication, teamwork, professionalism and time management. Students will follow a rigorous curriculum that includes instruction in safety and sanitation, food preparation, cooking techniques, equipment operation and maintenance, and principles of food service management. Students will have the opportunity to acquire their SERV Safe national industry certification, as well as their “food handler” certification in this course.

Course #	871	Course Name	Culinary Arts 2	Grade	11-12	Credits	5
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Prerequisite: Successful completion of Culinary Arts 1.
 Students in Culinary Arts 2 will continue working through the ProStart Curriculum. Second-year students focus on more advanced techniques in the culinary arts, with additional emphasis on restaurant management, food costing, and marketing. Students will have the

opportunity to acquire the advanced (managerial) SERV Safe certification and earn the ProStart National Certificate of Achievement, recognized by many post-secondary institutions and businesses.

HEALTH, PHYSICAL EDUCATION, DRIVER'S EDUCATION

Philosophy:

The Physical Education and Health Program at South Plainfield High School will help students to learn how to make informed decisions, not only while in high school, but throughout life. The program is founded in the philosophy that good health is the cornerstone of a happy, fulfilled life. Health is viewed as more than just the absence of illness. It is a state of wellness, which fosters productive, energetic, and enthusiastic living, as well as the development of self-esteem. The program emphasizes the importance of personal responsibility and self-reliance in the development and maintenance of good health practices.

Graduation Requirements:

The successful completion of four years of health and physical education is required for graduation. The academic year is divided into eight (8) cycles, each lasting four- and one-half weeks. In grades 11 and 12, students take six cycles of physical education and one marking period/2 cycles of health. In grade 10, students take six (6) cycles of physical education and one (1) marking period (2 cycles) of driver's education. Grade 9 students will take six (6) cycles of physical education and one marking period (2 cycles) of health.

Physical Education: (Grades 9-12)

At each grade level, students will participate in a series of courses that are designed to develop student knowledge, attitudes, and skill competencies in target goal areas of physical fitness and wellness, sports education, creativity, and problem solving. Through participation in a comprehensive, personalized approach to fitness, students will learn concepts and techniques of assessment in nutrition, weight control, stress management, and physical training. Activities offered may include:

Individual Sports	Team Sports	Fitness Activities
Archery	Basketball	Circuit Training
Badminton	Floor Hockey	Exercise for Fitness
Table Tennis	Football	Free Weight Training
Tennis	Group Games	Yoga
	Softball	Aerobic Walking
	Team Handball	Universal Wt. Training
	Volleyball	Step Aerobics
	Soccer	Zumba
	Pickleball	

Participation in these sports and activities provides for specific motor skills development, an understanding of rules and strategies of sports, a respect for the rights of others, an acceptance of responsibility within a team and a positive attitude towards competition.

Aside from the obvious benefits of daily physical activity, the main objective of the physical education program is to give students frequent and varied experiences that will increase their

commitment to regular exercise, the positive use of leisure time and the continued enjoyment of physical activity.

Course #	900 / 910	Course Name	PE / Health 9	Grade	9	Credits	5
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The emphasis of the freshman health program is to help students develop a positive self-concept, good decision-making skills, and awareness of personal and character responsibility for their decisions. These are then related to the development of a healthy personality, identifying, and managing stress eating disorders and alcohol, drug abuse, steroids, nutrition, and fitness. Family life education includes the formation of relationships, sexual responsibility, the reproductive systems, rape, and abuse. A unit on the transmission and prevention of AIDS and STDs is included.

Course #	920 / 930	Course Name	PE / Driver Ed 10	Grade	10	Credits	5
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Driver and Traffic Safety Education offer 30 hours of classroom instruction. This course aspires to assure that the student will be knowledgeable in the technical and legal information necessary to operate a motor vehicle, the dangers of alcohol and drug abuse while driving and the strategies of defensive driving. Most importantly, the course seeks to ensure that students will develop a clear understanding of the need for a mature, responsible attitude in all aspects of owning and operating a motor vehicle.

→Note: *The New Jersey State Driver Education Examination will be given at the conclusion of the course. If you pass, you will be granted a non-validated driving permit, which is valid for two (2) years. The validation process is completed through the NJ Division of Motor Vehicles.*

Course #	940 / 950	Course Name	PE / Health 11	Grade	11	Credits	5
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Juniors will follow the American Heart Association training program. They will receive a 2-year Heartsaver K-12 CPR/AED/FA card after they successfully complete the course requirements. This class will also stress awareness and understanding of the causes, symptoms and treatment of wounds, bleeding, burns, and shock. Signs, symptoms, and treatment of drug and alcohol overdoses will be discussed, as well as safety precautions for blood borne infections.

Course #	960 / 970	Course Name	PE / Health 12	Grade	12	Credits	5
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Seniors will become aware of the many facets of human relations. This course will include the development of interpersonal relationships, physical abuse, rape, teenage pregnancy, the effects of alcohol and drug abuse on the family and the effects of AIDS on our society. Students will be encouraged to share their views and ideas on the topics during class discussions. The state curriculum guidelines for *Life after High School* are covered.



SOUTH PLAINFIELD HIGH SCHOOL STUDENT SCHEDULE PLANNER

Academic Goals:

Career Goals:

Courses	Grade 9	Cr	Grade 10	Cr	Grade 11	Cr	Grade 12	Cr
English								
World Language								
Social Studies								
Mathematics								
Science								
*Physical Ed/ Health								
<u>Electives:</u> Fine/Visual/Perf. Arts (5) 21st Century Life & Careers (5) Personal/ Financial Literacy (2.5)								
Totals	Credit Earned		Credit Earned		Credit Earned		Credit Earned	
					Minimum total credits needed to graduate= 120			

Courses which satisfy graduation requirements for each elective are noted in the
Program of Studies