



- Full Course Descriptions and Catalog are available at www.polyprep.org (Upper School Program).
- Course selection is made in consultation with Deans, Department Heads, college counselors, teachers, and parents. Materials provided here, along with various presentations to students and parents, must be considered before making selections.
- Actual registration is done online per instructions at Blackboard <http://blackboard.polyprep.org>.

- **Poly Prep CDS**

Course Selection: An Overview

CONTENT

Graduation Requirements	Page 2
Form III (Grade 9)	Page 3
Form IV (Grade 10)	Page 4
Form V (Grade 11)	Page 5
Form VI (Grade 12)	Pages 6, 7
Contacts & Dates	Pages, 8, 9
Advanced Placement (AP)	Page 10
SAT Subject Tests	Page 12
Curriculum Sequence Chart	Page 14

Requirements

Graduation

- 5 academic courses each semester
Students are required to enroll in a minimum of five academic courses every term (fall and spring) from Form III through to graduation.
- 21 academic credits
- 4 years of English
- 4 years of Physical Education
- 3 years of History
- Level-III Foreign Language
- 3 years of Mathematics
- 3 years of Science
- 4 semesters of Arts
- 1 semester of Health
- 1 semester of Speech
- Senior Plan

Department Core

- **Arts:** *Drawing Studio, Music, and two semester electives; one semester of Arts (and Music) is waived with two-years of Band, Concert Choir, or Chamber Music membership. Dance 9 fulfills P.E. requirements.*
- **English:** *English 9, 10, and 11; AP English Literature, or Senior Seminar and Elective*
- **History:** *History 9: Early Modern 1500-1900, 20th-Century World History, and United States History*
- **Languages:** *through Level III*
- **Mathematics:** *Geometry, Algebra II, and Pre-Calculus*
- **Physical Education:** *Four years of personal fitness or team sport participation*
- **Science:** *Biology and Chemistry*
- **School-Wide:** *Health, Speech; Community Service; Senior Plan*

Form III (Grade 9) at a glance

- **Please keep in mind:** Most Form III classes and schedules are determined by academic department placement. One-semester Studio: Visual Foundations class and a one-semester Health class are required.

English (required)

- English 9: Literary Awakenings

Mathematics ((by departmental approval and placement)

- Geometry
- Special Advanced Placement Geometry (SAP)

History (required)

- History 9: World History 1500-1900

Science (required)

- Biology
- Special Advanced Placement (SAP) Science by application

Foreign Language (required)

- French, Latin, or Spanish: Levels I through III
- French, Latin, or Spanish: Levels I through III
- ❖ *All qualified students are eligible to study two foreign languages. Some students may be placed at higher levels than indicated above depending on qualifications.*

Arts (required)

- Studio: Visual Foundations (one semester)

Health and Physical Education (required)

- Health 9 (one semester)
- Physical Education (sports, personal fitness, Dance 9)

Performance Activities (by departmental placement)

- Band, Jazz Band, Concert Choir, Dance, Chamber Music

- Notes:

Form IV (Grade 10) at a glance

- **Keep in mind:** Most students complete Speech in sophomore year. Students in Science Research or who participate in Debate are exempt from Speech. Typically, sophomores take a Music course or participate in Concert Choir or Band to fulfill part of the requirement. Dual Language students with a performance activity are usually unable to schedule other Arts electives.

School-Wide

- Speech (one semester)
- Community Service

English

- English 10: Origins of Modernisms Electives
 - A Writer's Life (spring)

Mathematics (by departmental approval and placement)

- Algebra II
- Accelerated Math 10
- Advanced Math 10

History

- Twentieth Century World History

Science

- SAP Biology
- Chemistry
- Research (by departmental approval)

Foreign Language (by department placement)

- French, Latin, Spanish II/III/IIIA
- French, Latin, Spanish IV/IVA

Arts

- Advanced Drawing* (fall and spring)
- Advanced Painting* (fall and spring)
- Music Theory* (spring)
- Introduction to Western Music (fall and spring)
- Painting* (fall and spring)

*by departmental permission

Computer Science (by department placement)

- Game Design and Programming (year)
- AP Computer Science* (year)
- Web Design (spring)

Performance Activities

Band, Jazz Band, Concert Choir, Dance, Chamber Music

- Notes:

Form V (Grade 11) at a glance

- **Keep in mind:** Rising juniors should be completing department expectations in **five** major subject areas, as well as working towards completion of Arts requirements. Electives are options only in addition to completing requirements and typically are a sixth or seventh course on the junior schedule.

English

- English 11: American Literature
- Electives
- AP English Language Seminar (taken in conjunction with English 11 and with department approval in Spring 2011)
 - A Writer's Life (spring)

For additional English electives please see the online course catalog or the next page. Registration for electives is possible only in addition to English 11 and with departmental approval.

Mathematics (by departmental approval and placement)

- Selected Topics: Pre-Calculus Part I
- Pre-Calculus
- Accelerated Math 11
- Advanced Math 11
- AP Statistics
- Statistics

Science

- AP Physics
- AP Biology (only offered in even years)
- Physics
- Conceptual Physics (year)
- Biotech I : Genetic Research (fall)
- Biotech II: Human Genetics (spring)
- Environmental Science (year)
- Forensic Science I and II (fall and spring)
- Geology (year)
- Paleo-anthropology: Human Evol. (fall)
- Science and Society: Bioethics (spring)
- Science Research

History (required)

- U.S. History **or** AP U.S. History

History Electives (in addition to U.S. History or AP U.S. History): Please see the next page or the on-line course catalog. Keep in mind that History Electives in Form V may only be taken in addition to U.S. History and other required core courses.

Foreign Language

- AP Spanish Literature
- AP Spanish Language
- AP Latin
- AP French
- French, Latin, Spanish III/IIIA
- French, Latin, Spanish IV/IVA

Arts

Full-year courses by departmental approval

- AP Art History
- Advanced Drawing
- Advanced Painting
- AP Music Theory

Electives: 1 semester and full-year courses

- Acting (year)
- Film and Video (year)
- Intro. to Western Music (fall and spring)
- Music Theory (spring)
- Painting (fall and spring)
- Ceramics (fall and spring)
- Stage Craft/Set Design (fall and spring)

Performance Activities

Band, Jazz Band, Concert Choir, Dance, Chamber Music

Computers

- Game Design and Programming (year)
- AP Computer Science (year)
- Web Design (spring)

- Notes:

Form VI (Grade 12) at a glance

- **Keep in mind:** Final senior schedules should be completed in consultation with grade level Deans and the College Counseling office. Foreign Languages and Mathematics remain important, even where department requirements have been completed. Electives are restricted by minimum enrollment numbers. Some electives listed here that subsequently don't generate enough interest will not be offered.

English (fall and spring participation required)

- AP English Literature (full year)

or

- Senior Seminar (fall)

English Electives

- Film and Aesthetics (fall and spring)
- Comparative Philosophy (spring)
- Latin American Literature (spring)
- Literary Brooklyn (spring)
- Modern Novel (spring)
- Modern Poetry (spring)
- Shakespeare (spring)
- Short Works (spring)

Computers

- Game Design and Programming (year)
- AP Computer Science (year)
- Web Design (spring)

History

- AP European History
- AP World History

History Electives (semester-long)

- American Law (fall)
- American Politics (fall)
- Economics (spring)
- Modern Middle East (spring)
- Modern China and Japan (fall)
- The 1960's (spring)
- Psychology (fall)
- World Religions (spring)

Mathematics (by departmental approval and placement)

- Statistics
- Discrete Mathematics
- Mathematics: an Historical Perspective
- Selected Topics: Pre-Calculus Part II
- Calculus
- AP Calculus AB
- AP Statistics
- AP Calculus BC

- Notes:

(continued on next page)

Form VI at a glance (continued)

Foreign Language

- AP Spanish Literature
- AP Spanish Language
- AP Latin
- AP French
- French, Latin, Spanish IV/IVA
- Spanish V
- French V

Science

- AP Chemistry
- AP Physics C
- AP Biology (only offered in even years)
- Physics
- Science Research

Science Electives

- Biotech. I : Genetic Research (fall)
- Biotech II: Human Genetics (spring)
- Conceptual Physics (year)
- Environmental Science (year)
- Forensic Science I and II (fall and spring)
- Geology (year)
- Paleontology: Human Evolution (fall)
- Science and Society: Bioethics (spring)

Arts

Full-year courses by departmental approval

- AP Art History
- Advanced Drawing
- Advanced Painting
- AP Music Theory

Electives: 1 semester and full-year courses

- Acting (year)
- Film and Video (year)
- Intro. to Western Music (fall and spring)
- Music Theory (spring)
- Painting (fall and spring)
- Ceramics (fall and spring)
- Stage Craft/Set Design (fall and spring)

Leadership Programs

(Leadership programs are scheduled during the academic day but do not earn course credit.)

- Student Leaders
- Health Interns

Performance Activities

Band, Jazz Band, Concert Choir, Dance, Chamber Music

- Notes:

Some Registration Requires Departmental Approval

Dates

Independent Study: Self-Directed Inquiry *

Recent Topics:

- ❖ Adolescent Psychology
 - ❖ Choreography
- ❖ Literature and Psychoanalysis
 - ❖ Directing for Theater
- ❖ Contemporary French Literature
 - ❖ Multi-Variable Calculus
 - ❖ Marine Biology
 - ❖ Creative Writing
- ❖ Comparative Government and Politics
- ❖ Various Foreign Language Study including Arabic, Chinese, German, & Italian

*Independent Study is supported by a supervising advisor who reviews proposals and monitors progress. Credit is awarded at fifty per cent of typical course value. In all other respects, Independent Study work is the same as credited courses, and may, in some cases, be used to fulfill school-wide requirements. Applications are available from Ms. Graf in Room 115.

Courses that require departmental approval

- ❖ All Advanced Placement Courses
- ❖ Non AP Advanced Mathematics choices
 - ❖ Computer Programming
 - ❖ Advanced Art
 - ❖ Level A Languages
 - ❖ Independent Study

Course Registration

- **Tuesday, May 11:** Fall course registration is presented in to parents in the theater.

- **May 21:** All registration is complete. Registration receipts (signed by parents) are due to Deans.

- **Thursday, June 10:** Last day of classes. Students are reminded to have summer reading requirements for both traditional and select courses.

- **Monday, June 13:** Final decisions on pending (deferred) AP candidates are made. Students are notified on *Blackboard*.

Upper School Contacts For Enrollment and Registration

Poly Prep CDS: 718-836-9800
www.polyprep.org

Upper School Head

Mr. Bud Cox bcox@polyprep.org, ext. 3040

Form VI (Grade 12) Deans

Ms. Pamela Pratt-Galik ppratgalik@polyprep.org, ext. 6810

Mr. Gerald Stone gstone@polyprep.org, ext. 3510

Form V (Grade 11) Deans

Mr. Robert Falotico rfalotico@polyprep.org, ext. 6070

Ms. Josina Reaves jreaves@polyprep.org ext. 6260

Form IV (Grade 10) Deans

Ms. Erika Freeman efreeman@polyprep.org, ext. 6030

Mr. Bart Moroney bmoroney@polyprep.org, ext. 3200

Form III (Grade 9) Deans

Ms. Whitney Davidson [wdavidson@polyprep.org](mailto:w davidson@polyprep.org), ext. 6480

Mr. José DeJesus jdejesus@polyprep.org, ext. 6160

Academic Department Heads

English: (Upper School Coordinator): Ms. Marisa Gomez mgomez@polyprep.org ext. 6060

History: Ms. Louise Forsyth lforsyth@polyprep.org ext. 3470

Languages: Dr. Tony Gini agini@polyprep.org ext. 6150

Mathematics: Ms. Anita DeRuiter aderuiter@polyprep.org ext. 3530

Performing Arts: Mr. Nicholas Armstrong narmstrong@polyprep.org ext. 6780

Science: Ms. Flo Turkenkopf fturkenkopf@polyprep.org ext. 6090

Visual Arts: Ms. Jo-Ann Menchetti jmenchetti@polyprpe.org ext. 6050

Dean of College Relations

Mr. Michael Muska mmuska@polyprep.org, ext. 3300

Assistant to the College Office

Mr. Mark Oransoff moransoff@polyprep.org ext..3440

Upper School Academic Program Coordinator

Ms. Amy Kohn akohn@polyprep.org ext.6080

Assistant to the Academic Program

Ms. Kathleen Graf kgraf@polyprep.org, ext. 3880

Assistant Headmaster

Mr. John Rankin johnrankin@polyprep.org, ext. 3150

ADVANCED PLACEMENT OFFERINGS 2010-2011

All courses require departmental approval. Please consult the course catalog for detailed descriptions. Please also note that students who enroll in Advance Placement courses are required to take the College Board's AP examination at year's end.

ART

AP History of Art

Forms V–VI

This course covers Western Art from the Renaissance to modern times. Course work includes intensive readings, essays, term papers and trips to museums. Students who enroll must sit for the Advanced Placement Exam.

AP Music Theory and Composition

Forms V–VI

The course focuses on projects in composition and explorations of chromatic harmony. Some students of exceptional achievement may be designated to prepare to take the AP Music Theory Exam.

AP Drawing and Illustration

Forms V–VI (with at least one prior year of Advanced Drawing)

This is the highest level of achievement in the graphic sequence. Students prepare and are required to submit a completed portfolio to the College Board in May. Critiques, demonstrations, videos, slides, and exhibition opportunities round out the advanced student's responsibilities in this course. Students who complete this course must demonstrate a mastery of basic figure drawing, offer a concentration in one area of inquiry, and demonstrate the ability to mount and display art.

COMPUTERS

AP Computer Programming

Forms V–VI

Prerequisite: fundamentals and C++

This course is designed to prepare students for the AP Computer Science AB exam. The course addresses a variety of topics including complex data structures, algorithm efficiency, dynamic memory allocation, stacks, queues, linked lists and binary trees. The course involves extensive programming in Java.

ENGLISH

AP English Literature

Form VI

AP English is a select course for seniors who are interested in an intensive focus on critical essay writing and textual analysis. The course covers a variety of genres and literary periods with the goals of providing a broad understanding English Literature's reach, with a sharp focus on structure, form and theme in important literary works.

AP English Language Seminar

Form V

AP English Language is a select seminar for juniors interested in an intensive focus on critical essay writing. The course, with a specific focus on the non-literary essay, meets in the spring term only, and is taken in conjunction with English 11.

HISTORY

AP United States History

Forms V

This course introduces students to a scope of ideas and events in American History, and provides them with the analytical and interpretative skills as well as factual knowledge necessary to write critically and analytically about historical conflict, trends, and movements.

AP European History

Form VI

This course is designed to enhance understanding of the complexities of European History and to refine skills of critical reading and clear expository writing. There is a special emphasis on the interpretation of major texts, critical analysis of differing historical opinions, and encountering the ideas of important European thinkers. The course begins with a study of the Italian Renaissance and ends with the fall of Communism.

AP World History

Form VI

This course is designed to enhance understanding of the complexities of World History. There is an emphasis on interpretation of documents, critical analysis of competing trends, and ideas of important historical thinkers. The course is a comparative study and therefore covers a variety of significant cultural and historical moments in the non-European world over extended historical eras.

LANGUAGE

AP French Language

Prerequisite: French IV

French AP Language is designed to test proficiency in four language skills, consists of a general review of grammar, and intensive training in composition, oral expression, and reading comprehension, through the use of various materials, such as magazine articles, poems, short stories, videos and films.

AP Latin Literature

Prerequisite: Latin III or IV

In this advanced reading course, students translate a significant portion of the first six books of one of the greatest masterpieces in Latin literature, Virgil's *Aeneid*. In addition, they read the entire *Aeneid* in English and analyze its meaning, literary qualities and influence on English literature.

AP Spanish Language

Prerequisite: Spanish IV

The AP course in Spanish Language is designed to parallel the skill development of a third-year college Spanish course in advanced composition and conversation. The course focuses on mastery of listening, speaking, reading, and writing. The books and materials vary from year to year. There is a basic grammar and reading text that is supplemented with Spanish newspapers, magazines, films, and tapes.

AP Spanish Literature

Prerequisite: Spanish IV

The AP Spanish Literature course is intended as the equivalent of a third-year college introduction to the Literature of Spain and Spanish America. The language proficiency reached by the end of the course is generally equivalent to that of college students who have completed a fifth or sixth semester of Spanish.

MATHEMATICS

AP Calculus (BC level)

This course prepares students for the BC level of AP Calculus. It includes the content of the AB level of AP Calculus, as well as a study of polar coordinates, sequences, series and differential equations.

AP Calculus (AB level)

This is an accelerated and more theoretical version of Calculus, which prepares students for the AB level of AP Calculus.

AP Statistics

Prerequisite: B+ or better in Pre-Calculus or Statistics

This is an accelerated and theoretical general statistics course that prepares students for the AP Statistics Exam.

SCIENCE

AP Biology

For Form IV students who have completed SAP 9 this is a required course in the SAP sequence. Other students may take this course in Form V or VI by departmental permission.

This is a first course in biology that stresses an in-depth understanding of biological ideas. Students must be highly motivated and able to plan and organize their work effectively. Laboratory investigations are an essential part of the course as they enhance the material and develop more fully the skills of scientific methodology.

AP Physics

Advanced Placement Physics course is a one-year, college-level physics program for motivated juniors and seniors. The syllabus includes all the topics normally treated in a non-calculus physics course for college freshmen. Students will take the B level Advanced Placement exam at the conclusion of the course.

AP Chemistry

Prerequisite: Biology, Chemistry, Physics

The Advanced Placement Chemistry course is equivalent to a one-year general chemistry course in college. Among the topics covered in depth are structure of matter, including atomic theory and chemical bonding; and states of matter.

Who teaches Advanced Placement in 2010-2011

History of Art: Ms. Nikolin Eyrich
AB Calculus: Ms. Carolyn Licata
BC Calculus: Mr. Alex Basson
Biology (SAP): Ms. Bobbie Swain
Biology: Ms. Mandy Pabon
Chemistry: Ms. Kris Wynne-Jones
Computer Science: Mr. Tim Isganitis
English Language: Ms. Marisa Gomez
English Literature: Ms. Marisa Gomez, Mr. John Rearick
European History: Ms. Louise Forsyth
French Language: Ms. Victoria Abdulahad
Latin Literature: Dr. Tony Gini
Physics (B): Ms. Flo Turkenkopf
Physics (C): Dr. Ellen Briefel
Spanish Language: Senor Aitor Arrondo
Spanish Literature: Senor José Oliveras
Statistics: Ms. Carolyn Licata
United States History: Ms. Susan Beiles
World History: Ms. Whitney Davidson

SAT Subject Tests

The College Board offers subject based testing in eight different traditional secondary school subject areas, as well as others in foreign languages. These tests are not mandatory for admissions to many colleges and universities, but they are required at some. Choosing which and how many of these tests are appropriate, or even necessary, for your son or daughter is a decision that you and they should make after discussion with teachers, academic departments, Deans, and the College Guidance office.

Each year our classroom teachers identify and encourage well-prepared students in the spring to sit for June testing. The College Board offers subject testing at four different times in the year. Students are welcome to take subject tests at any of those times, but the school's focus on preparation centers on the June tests. **Please see a detailed discussion that follows and the enclosed listing of College Board test dates..**

Upcoming

2010 early registration deadline for the June 5 exam is May 5. Please visit the College Board site www.collegeboard.com. The school is not permitted to register students for subject tests. You or they must do that. Students are permitted to take up to three tests per testing day. However, we strongly recommend that no one takes more than two and only those tests for which they feel prepared. See below. Provided that materials and tests are on hand, students may late register on the day of the test, or change their test. There is a fee associated with the late registration. Poly is a testing site for both the May 1 and June 5 exams. See course overview.

Readiness

We recommend that unless a student and his or her teacher have determined that there is a better than average chance of scoring **above 600** on any given subject test then he or she should not take the test.

1. All **Advanced Placement (AP)** students, by virtue of the scope and level of their coursework, are ready to sit for subject tests in their respective areas. **Unless indicated otherwise by the respective teacher, these students are prepared in time for the May 2 exam date.** The early registration for this test is March 31.

For all others, preparation is centered on readiness for the June 5 test.

2. **In Form III:** ▪ Students who have been earning B+s on in-class tests and the mid-year exam in **Biology**, may be ready for the Molecular Biology Subject Test. Those interested should speak with their respective Biology teacher.
3. **In Form IV:** ▪ **Chemistry** students, who have earned an A- or better, and who have met with their respective teachers about preparation, may be ready for the Chemistry Subject Test.
4. **In Form V:** ▪ Students in **Advanced Math 11**, who have pre-tested at 650 or above, are ready for the Math Level 2 subject test. ▪ Students in **Pre-Calculus** who have pre-tested at 600 or above are ready for the Math Level 1 subject test. ▪ Students in **US History**, who have met with their respective teacher and participated in the Department's Spring workshop, are ready for the US History subject test. ▪ Students in **English 11** who have been earning grades of A- or better, attended the school's Spring review sessions, and have met with their teacher to discuss test preparation may be ready for the Literature subject test. Students who participated in the AP English Language Seminar are also to a degree ready, although we caution that the English Language Seminar does not cover the

- same material as the Literature subject test. ▪ Some high achieving **non-AP Physics** students may, with additional work, be ready for the Physics subject tests. If interested, please speak with your teacher.
5. **In Foreign Languages** students (no matter what grade level) who have been successful at the **IVA** level or above, and who have discussed test preparation with their teacher, should be ready to sit for their respective language test.

These subject tests are not for everyone. But for those who need them, the best advice we can offer is never to enter a test without estimating the outcome, include preparation that specifically focuses on gaining familiarity with the structure and format of the subject test, and make no assumption that mastery of content alone will ensure a strong outcome.

Curriculum Sequence for Forms III-VI (Grades 9-12)

Grade	Arts*	English	Computer Science	Foreign Language	History	Mathematics	Physical Education/Health	Science		
Form III	Studio: Visual Foundations	Literary Awakenings	Introduction to Computers	*French I/II/III *Spanish I/II/III Latin I/II/III	Early Modern History 1500-1900	Geometry SAP Geometry	Form III Health Physical Education	Biology SAP Science		
Form IV	Speech	Orgins of Modernism	Electives AP Computer Science Game Design and Programming Web Design	*French II/III/IV *Spanish II/III/IV Latin II/II/IV	Twentieth Century World History	Geometry Algebra II Advanced Mth 10 Acc. Mth 10	Personal Physical Fitness	Research Course Chemistry SAP Biology		
	Offerings Advanced Drawing Advanced Painting. AP Art History AP Music Theory Acting Band Ceramics Chamber Music Concert Choir Dance Film and Video History of Music Intr. West. Music Jazz Band Music Theory Painting Set Design	Writer's Life American Literature AP Language Seminar (spring)		Spanish/French Levels IV/IVA AP Spanish Lang. AP French Lang. AP Spanish Lit. AP Latin Lit.	United States History AP US History	Pre-Calculus Adv. Math 11 Acc. Math 11	Personal Physical Fitness	Research Course Physics AP Physics B		
Form V		AP English Lit. Senior Seminar		Spanish/French V	AP European Hist. AP World Hist.	AP Calculus AB AP Calculus BC AP Statistics Calculus Discrete Mathematics Hist. of Mathematics Selected Top I & II Statistics	Personal Physical Fitness Health Interns	AP Biology AP Chemistry AP Physics Bio-Tech I & II Conceptual Physics Environ. Science Forensics I & II Geology Paleo-Anthropology Physics Science & Society		
Form VI		Electives Shakespeare Latin American Lit. Modern Novel Literary Brooklyn Comp. Philosophy Aesthetics and Film Modern Poetry Short Works			American Law American Politics Economics Modern Middle East Modern China & Japan The 1960's Psychology World Religions					
*Performing Arts activities offered in all four US grades: Band/Dance/Concert Choir/ Chamber Music										
Department requirement by number of years:										
2 years		4 years		Level III		3 years		3 years		
							4 years PE 1/4 unit Health		3 years	
A minimum of 21 overall academic credits are required for graduation. Each year long course is 1 credit and each semester course is 1/2 credit.										