



ST. JOHN'S COLLEGE SCHOOL

Advanced Placement Program

“
And the truth
shall set you
free.”

Advanced Placement Program Philosophy

St. John's College School AP students:

- accept their God-given gifts
- nurture their whole person
- embrace their God-given gifts
- prepare for success in university and life
- challenge themselves in the Spirit of Christ

Program Progression, Grade 9 to Grade 12

PRE AP

- Students who are high-achievers (average above 80%) in math and/or science can enroll in pre AP courses starting in grade 9
- Pre AP students should enjoy discussion, possess a natural curiosity, and enjoy independent research
- Pre AP courses are highly recommended, but not required, to take an AP course
- Pre AP courses will be more focussed on inquiry skills, critical thinking, and higher order thinking strategies than the Academic program

AP

- Grade 11 students register in Advanced Placement Course(s) for September
- Grade 12 AP students write AP exams in May (fee for each exam)

STEM (Science, Technology, Engineering and Mathematics) Club

- Students pursue their love of innovation, technology, science and mathematics
- Challenges students to develop critical thinking and inquiry skills in preparation for university
- Includes guest speakers, science and mathematics contests, STEM Olympics, thought-provoking articles and field trips

Advanced Placement Program

registration forms for all grades are available in the Student Services office.

Advanced Placement Courses

AP Calculus AB

AP Calculus AB is roughly equivalent to a first semester university calculus course devoted to topics in differential and integral calculus. The AP course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

AP English Literature and Composition

The AP English Literature and Composition course aligns to an introductory university-level literary analysis course. The course engages students in the close reading and critical analysis of imaginative literature to deepen their understanding of the ways writers use language to provide both meaning and pleasure. As they read, students consider a work's structure, style, and themes, as well as its use of figurative language, imagery, symbolism, and tone. Writing assignments include expository, analytical, and argumentative essays that require students to analyze and interpret literary works.

AP Sciences

AP sciences are introductory university-level courses with a more rigorous math-based approach. These courses require that 25 percent of the instructional time be spent on hands-on laboratory work, with an emphasis on inquiry-based investigations.

AP Biology

Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions.

AP Chemistry

Students cultivate their understanding of chemistry and science practices as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics, and equilibrium.

For further AP course information visit: <https://apstudent.collegeboard.org/apcourse>