

2025-2026 Course Syllabus Pioneer High School

Course Title: AP Precalculus Plus
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Introduction: Welcome to AP Precalculus Plus! It is a privilege to serve the Pioneer community, and I am excited to work collaboratively with my students this year. I strive to create an atmosphere where students can express themselves, take academic risks, and grow as learners. More about my credentials and background can be found on my website: www.HansenMath.com

Course Description: AP Precalculus Plus prepares students for college-level mathematics and science courses. There are five main units in this course: Polynomial and Rational Functions; Exponential and Logarithmic Functions; Trigonometric and Polar Functions; Functions Involving Parameters, Vectors, and Matrices; Intro to Calculus, Limits and the Derivative. Through consistent practice, students will develop mastery of functions and modeling, analyzing scenarios through multiple representations. The course framework reflects the content and skills of college precalculus, foundational for careers in mathematics, physics, biology, health science, social science, and data science. Students enrolled in this course have the option to take the AP Precalculus Exam. This is highly encouraged but not required. Information regarding the 2026 AP Testing schedule will be provided as it becomes available.

Classroom Expectations: Students are expected to challenge themselves and strive for a deep understanding of precalculus concepts. This is a fast-paced course where effective use of class time is critical. Our classroom is a collaborative learning space where we grow both individually and as a collective unit. Respect, kindness, and encouragement are required at all times. All Pioneer High School and Math Department policies will be upheld (including, but not limited to attendance, electronic devices / AI usage, academic honesty, and language use). Students are also expected to check Schoology and AAPS email daily.

Grading Policy: Classwork & Homework (Formative – 20% of quarter grade)

- Assignments are posted daily on Schoology and are due to be uploaded by end of day.
- You will be required to submit two versions: The first attempt, and then a second attempt—in an alternate color—after receiving access to the answer key.
- Late work will receive at least a 20% reduction. (Chronic late work typically leads to very poor outcomes.)
- Once a unit of study has concluded (or the quarter ends), missing homework will no longer be accepted for that unit.
- Time will often be given in class to begin assignments, collaborate, and ask questions.
- If absent, it is the student's responsibility to check Schoology for missed work.

Assessments (Summative – 80% of quarter grade)

- Quizzes will be given approximately every 5–10 class meetings.
- Unit Exams will be administered after each major unit of study, with ample advance notice. Exams are designed to reflect the rigor and format of the AP Exam.
- Per the student handbook, attendance for assessments is strictly enforced. Unverified absences forfeit the right to make up an assessment.
- Verified absences require the student to make up the assessment immediately upon return.

A Word About Grades: This course emulates a college-level environment and is sanctioned by College Board. Students will be held accountable for demonstrating understanding under timed testing conditions. Timing of assessments will closely follow College Board standards. Extra time will not be provided unless a legally binding IEP or 504 plan is on file with the counseling department.

Supplies

- Handouts/guided notes that align with the AP curriculum (provided in class).
- DESMOS Graphing Application (bring AAPS-issued MacBook daily).
- Pencil and alternate colors for correcting work.
- Notebook/folder for notes, assignments, and organization.
- *Optional:* TI-84 Graphing Calculator (approved for AP Testing).

Extra Help

This course may challenge you to adjust your learning strategies. To support you:

- Lesson videos will be posted on Schoology.
 - You can seek out videos on YouTube from teachers around the globe!
 - AP Classroom offers additional resources and practice.
 - Forming a study group is strongly encouraged. Collaboration often leads to breakthroughs.
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Closing

I strongly believe education is a partnership between students, parents, teachers, and administration. If there is anything I can do to help make this year successful, please reach out at any time. I am looking forward to an amazing year together!

Sincerely,



Mathematics Teacher
Ann Arbor Pioneer High School