



CANYON HILLS HIGH SCHOOL

AP Precalculus

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Room 109

Course Description: Precalculus combines concepts of trigonometry, geometry, and algebra that are needed to prepare students for the study of calculus. The course strengthens students' conceptual understanding of problems and mathematical reasoning in solving problems. Facility with these topics is especially important for students who intend to study calculus, physics, other sciences, and engineering in college.

Students will study polynomial and rational functions, exponential and logarithmic functions, trigonometric and polar functions, and functions involving parameters, vectors, and matrices.

In this course, students will algebraically manipulate functions, equations, and expressions, translate mathematical information between representations and communicate with precise language, providing rationales for conclusions.

Since a major goal of this class is to prepare students to pass the AP exam (Precalculus), we will be using College Board's "AP Precalculus Course and Exam Description," as well as the Precalculus Curriculum Framework for the State of California.

To view the California Precalculus standards, visit the California Department of Education's website at [Precalculus - Curriculum Frameworks \(CA Dept of Education\)](#)

Students enrolled in AP Precalculus are encouraged to take the AP Precalculus Exam in May. This year, the AP Precalculus exam will be administered the morning of Tuesday, May 13th, 2025.

When students sit for the AP Precalculus Exam, they will need graphing calculators. Graphing calculators are allowed for approximately one-third of the multiple choice questions and approximately half of the free response questions. I recommend students obtain a Texas Instruments 84+ (or 83+). *These calculators are available for check out at the library at no cost.*

Textbook: Demana, Waits, Foley, Kennedy. *Precalculus: Functions and Graphs 5th Edition.*

Additional resources will be utilized, including Flamingo Math AP Precalculus and MathMedic AP Precalculus.

Canvas: Students will access all math content for the course through a Learning Management System called Canvas. Students should go to sandiegounified.instructure.com and log in using their School District username and password. Please check Canvas if absent to check the day's activities and assignments.

Suggested Materials: Pencil, pens, highlighter, one-inch binder with 8 dividers, and graphing calculator (TI-84+ recommended)

Students are expected to bring their district-issued laptop and charger to class each day.

If a student has trouble accessing supplies, please see Mrs. Oberle.

Grading:

GRADING:

Grading Categories		Grading Scale	
Assessments:	75%	A	88%-100%
Homework and Classwork:	15%	B	70% - 88%
Tasks	10%	C	50% - 70%
		D	35% - 450%
		F	below 35%

Level	Description of Mastery on Specific Standards
4	Exceeding content-area standards
3	Meeting content-area standards
2	Approaching content-area standards
1	Beginning progress towards content-area standards
0	Insufficient evidence to determine level of performance

ASSESSMENTS:

Students will be assessed on each standard a minimum of two times per unit. The average of these scores will be entered into the gradebook. Students may retake each standard an additional time to earn a 3 (meeting the standard.) Retakes are due two weeks after the unit assessment is returned. At the end of the term, this time span may be shortened. There are no retakes available for semester finals. Retakes must be completed outside of class time.

HOMEWORK AND CLASSWORK:

Written responses and homework are in this category. Homework is generally assigned daily and is due the following day. Late work *may* be accepted for credit. Incomplete work may be turned in for partial credit. Assignments not earning full credit may be resubmitted. Homework submitted during the current unit will be submitted through Canvas. Homework submitted after the completion of a unit must be submitted on paper. Late work must be submitted one week prior to the end of the grading period to be graded for that grading period.

TASKS:

In-class activities are in this category. These activities are primarily group assignments, but individual performance tasks may be included.

ABSENCES:

In the case of an absence, students have one day for each day missed to make up work. It is the student's responsibility to come to me for any missed assignments. If a student is absent on the day of a test, he or she will make it up the day of return. At the end of the term, time may not allow for make-up tests. Also, please schedule to be in class for end-of-term exams. If the student misses two or more days during the chapter due to illness, he or she may arrange a time with me to take the exam.

ASSISTANCE:

I will be available for tutoring after school on Tuesdays from 3:45-4:30 and before school on Thursday s from 8:00-8:40. Tutoring may be available at other times by appointment. Please provide 24 hour notice for tutoring appointments. Students will be given ample notice if tutoring is cancelled.

PROGRESS REPORTS:

There are six six-week progress reports throughout the year. If a student receives a D or F on a 6- or 12- week progress report, the student is in danger of failing at the semester. In addition to school progress reports, parents may view student progress in PowerSchool.

CLASSROOM EXPECTATIONS:

Be in class, be on time, be prepared.

Always do your best work.

Turn in work on time. (Your name is required for credit)

Participate in class discussions, work with your partner, team, or class, as appropriate.

Respect your teacher, your classmates, yourself.

Follow all school rules.

Any cellphones or other electronic devices, including cables and headphones, should be silent and invisible during class. Please put these things safely away before entering the classroom. (Please remember to put your phone in silent or vibrate mode before you enter class.). This adheres to the Canyon Hills and San Diego Unified cell phone policies.

ACADEMIC HONESTY: Students are expected to complete their own work. Academic honesty and responsibility are expected of all Canyon Hills students. Copying someone else's homework, turning in a paper done by someone else, plagiarism, copying from other printed resources without giving credit to the author, and/or giving or receiving answers, sharing answers, using "cheat sheets," or other such devices, are all considered cheating. Consequences may include a "zero" on the assignment for a first offense, along with a U in citizenship. Please see Canyon Hills Honesty Policy on the website for further information.

Canyon Hills High School Citizenship Grading Policy

Purpose: At CHHS, we are supporting each child's development in becoming thoughtful and productive citizens who will inherit our global society. With that, we will be explicit and transparent in teaching and modeling for our students how to reach excellence in citizenship. Citizenship grades are the balance of a student's general work habits, attitude, and behavior in class over the grading period, not the result of one day or one action. It is the culmination of a student's willingness and efforts to help or hinder the student's own progress, as well as that of the class and other students. Additionally, they are not an evaluation of the child as a person.

Grade	Citizenship Rubric
Exceeds E	<ul style="list-style-type: none"> • Participation is constructive and elevates the academic environment of the class. • Consistently models exceptional behavior and respect for teachers and students. • Independently prepares for and is engaged in class activities. • Submit assignments by the due date. • Uses technology to enhance learning, according to teacher policy and permission. • All absences are excused. Two or fewer tardies.
Meets M	<ul style="list-style-type: none"> • Participation is constructive and supports the academic environment of the class. • Consistently exhibits respectful behavior towards teachers and students. • Prepared for and engaged in class activities. • Submit assignments by the due date. • Uses technology appropriately, according to teacher policy and permission. • No more than one unexcused absence. Four or fewer tardies.
Inconsistent I	<ul style="list-style-type: none"> • Participates in academic environment; but may occasionally distract or need redirection to participate in the academic activities fully. • Sometimes demonstrates disrespectful behavior towards teachers or students. • Sometimes unprepared for and disengaged from class activities. • Sometimes does not submit assignments by the due date. • Uses technology inappropriately, not adhering to school policy. • No more than two unexcused absences. Five or fewer tardies.
Unsatisfactory U	<ul style="list-style-type: none"> • Seldom participates or frequently distracts from the academic environment of the class. • Frequently demonstrates disrespectful behavior towards teachers or students. • Unprepared for and disengaged from class activities. • Often does not submit assignments by the due date. • The use of technology distracts from the academic environment. • Three or more unexcused absences. Six or more tardies.

I have read and understood this syllabus. I am aware that any changes will be communicated to the class in writing.

Student Name

Student Signature

Guardian Name

Guardian Signature
