

AP PRECALCULUS

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Content of the course: The curriculum for AP Precalculus incorporates the Texas Essential Knowledge and Skills (TEKS) for Precalculus with additional learning objectives determined by College Board to prepare students for future AP courses, such as AP Calculus or AP Statistics. A rough outline of the course is below:

- Unit 1: Polynomial and Rational Functions (30-40 percent of the AP exam)
- Unit 2: Exponential and Logarithmic Functions (27-40 percent of the AP exam)
- Unit 3: Trigonometric and Polar Functions (30-35 percent of the AP exam)
- Unit 4: Functions Involving Parameters, Vectors and Conics (0 percent of the AP exam)

Expectations - Students are expected to come to class prepared, keep up with their assignments, and be accountable for their actions. Students should act respectfully towards everyone in the class and follow the student handbook code of conduct.

Grading System - The grade average will be determined by the following guidelines:

Tests	50%
Quizzes	40%
Assignments (homework, classwork, etc.)	10%

All homework assignments are to be completed by the beginning of the next class period; we do not accept late work and in order for an assignment to be considered complete all necessary work must be shown. Students will be able to improve one test grade, **excluding the midterm & final**, per **semester** for up to an 80. Retakes must be completed within one week of receiving the test grade unless otherwise scheduled with the teacher. Quizzes are not eligible for retakes; test grades can raise corresponding quiz grades up to a 70. **It is advised that students and parents keep up with grades via the HAC (Home Access Center).**

***Grade categories and weights may be changed in subsequent six weeks to meet the needs of students.*

Make-ups & Absences – Making up missed work due to student absences is covered in the LISD Student Handbook under the *Academics* section. If no new material is presented on a missed day, students are expected to return to class ready to take any assessment. If an assignment is assigned when a student is present and they are absent the day it is due, it will be due for them the day they return to school. If a student has an absence which results in an honor code violation, acceptance or denial of any credit for that missed work will be determined by the teacher and an administrator. For specifics on what is considered honor code and the penalties, please see the [VHS Honor Code](#).

Tutorials - AP Precalculus can be a challenging course for students as it is preparation for Calculus. It is important that you ask questions in class and/or come during scheduled tutorial times to get help. Because many of the topics will build on earlier topics, it is imperative that you get help as soon as possible when you don't understand something. We will communicate through Google Classroom the days and times that we are available for tutoring. If your teacher is unavailable, you can see another AP Precalculus teacher.

Google Classroom: Teachers have discretion as to how they use Google Classroom. All AP Precalculus teachers will have a Google Classroom that houses the AP Precalculus calendar document. You will receive the classroom code in class from your teacher. If you need the code, please email a request and we will provide it for you.

AP Precalculus Calendar: The calendar is a live document with the most up-to-date information. It is vital that students utilize the calendar to find assignments and other useful resources.

Suggestions for Success-

- Complete homework assignments by the next class day
- Ask questions whenever you are not sure
- Always attend class
- If you get confused get help **ASAP**
- Don't get behind
- Do ALL of your homework
- Stay organized

Supplies: You will need the following items for class:

- pencils
- 3-ring binder for organization of notes and assignments
 - A 1-inch binder for each unit (4 total units) is recommended
- loose paper for HW
- *GRAPHING calculator - **TI 84 or higher** (The online calculator **Desmos** is embedded in the AP exam for the calculator portions so it is helpful for students to get comfortable with using Desmos as well as a handheld graphing calculator which is also allowed for the AP exam.)*

AP Precalculus is really a terrific, challenging, and extremely applicable mathematics course. We are looking forward to an incredible school year with each of you and we hope you leave this year with a love of math!

****This syllabus is subject to change, but will always reflect the most current information****