

# AP Pre-calculus Syllabus



Mrs. George  
Kempner High School  
Room 910

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Conference: 4<sup>th</sup> period

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## Course Description:

AP Pre-Calculus weaves together previous study of algebra, geometry, and mathematical functions into a preparatory course for calculus. AP Precalculus prepares students for other college-level mathematics and science courses. Through regular practice, students build deep mastery of modeling and functions, and they examine scenarios through multiple representations. The course framework delineates content and skills common to college precalculus courses that are foundational for careers in mathematics, physics, biology, health science, social science, and data science.

## Student Expectations:

This is a college level course and students will be expected to prepare for class with a college mindset. This includes taking ownership of their learning by:

- Making sure they have completed in class notes/practice and AP Video Notes
- Completing all homework assignments by the due date
- Time Management - prioritizing study time with work and extracurricular activities
- Seeking help or clarification from instructor, during class or in tutoring
- Communicating with the instructor about absences and coordinating times for makeup work
- Participating in peer study groups
- Using Digital resources from College Board or other websites
- Correcting tests and quizzes for understanding
- Having a positive "I can" attitude even when material is challenging
- Participating in class discussions and peer activities

## Parent Expectations:

Parents should help students monitor their time management so that they are allocating enough time to study for their AP courses. They should direct the student to be the first person to address any questions about grades. Parents should encourage students to advocate for themselves to help prepare them for a collegiate future. While there will be times that parents will need to contact the instructor, the goal is for the student to make that initial contact. If there are personal or medical issues that the instructor needs to be aware of that are too difficult for the student to address, please contact Mrs. George or their counselor or administrator.

### Required Materials/Supplies:

1. Binder/Folder (to keep your notes, activities, and assessments organized)
2. Pencils/pens/highlighters
3. Phone, tablet, computer, or laptop
4. Scratch paper
5. Your brain ☺

### Calculator:

It is recommended that you use a graphing calculator (preferably a TI-Nspire).

### Online Resources:

1. **Website to access all online FBISD materials:** <https://myapps.microsoft.com/>
2. **AP Classroom** – AP Classroom provides all-in-one support with resources that can help you practice AP style questions, view instructional videos, and track progress and results. Students will be given a code to access Mrs. George's AP Pre-calculus materials. <https://myap.collegeboard.org/login>

### Tutorial Schedule:

Tutorials will be offered on **Tuesdays and Thursdays (AM and PM)** in room 910:

<b>Tuesday PM</b>	<b>Thursday AM</b>
2:50 – 3:15 PM	7:00 – 7:20 AM

*If additional days are needed, please reach out to me to request an appointment.*

**Course Outline:** AP Precalculus is composed of four units. Units 1-3 are assessed on the AP exam. Unit 4 is *not* on the AP exam.

<b>Unit 1</b>	<b>Unit 2</b>	<b>Unit 3</b>	<b>Unit 4</b>
<ul style="list-style-type: none"><li>• Polynomial Function Analysis</li><li>• Rational Function Analysis</li></ul>	<ul style="list-style-type: none"><li>• Exponential and Logarithmic Function Analysis</li></ul>	<ul style="list-style-type: none"><li>• Trigonometric and Polar Functions</li></ul>	<ul style="list-style-type: none"><li>• Functions involving Parameters, Vectors, and Matrices</li></ul>

*Please refer to the AP Precalculus Course and Exam Description (CED) to see more detailed course and exam information.*

<https://apcentral.collegeboard.org/courses/ap-precalculus/course>

### Grading Policy:

50% Major Grades – Tests and Projects

50% Daily Grades – Homework, Classwork, Quizzes, and Warm-ups

A...100-90

B...89-80

C...79-70

F...69 and below

### Homework/Daily Work:

Homework will be assigned **daily**. Math is not a spectator sport! Practicing daily is the key to being successful in a math classroom! We will occasionally have homework quizzes that will count as a daily grade!

### AP Classroom:

College Board has designed many resources for AP students. There are non-graded assignments in AP classroom designed to help students measure their progress for the course through Progress Checks and AP Daily videos.

- Please join my AP classroom course according to your class period:

1 <sup>st</sup> period	2 <sup>nd</sup> period	3 <sup>rd</sup> period	6 <sup>th</sup> period
2WDP34	7JX6MD	D3APXX	ELGWLR

### Remind:

I will be sending out reminders and announcements through Remind. You are required to join my Remind so that you are aware of what is happening in AP Precal.

- Text @appc90 to 81010

### Late/Make Up Work:

If a student has missed class, it is the **student's responsibility** to make up their missing work. All notes and assignments can be found in Schoology. Any missing work will be made up in accordance with the student handbook. Late work will be accepted according to the school policy. 15 points will be taken off per day for submissions after the due date. You are expected to turn in missing work within a reasonable timeframe.

- *Example: If you were absent on a quiz/test day, then you are expected to make up that assignment the first day you are back in class. Please always communicate with me when you are absent so that we can plan together.*

### Skyward:

This will be the official place of record for all grades. Please make it a priority to check your grades (not just for this class) regularly in Skyward Family Access. It is your responsibility to know what your grade is at all times.

### Schoology:

Schoology will be where all class material, recorded lessons, assignment due dates, potential tests/quizzes, etc. can be found.

### Behavior:

Any behavior which prohibits learning is unacceptable. I expect each student to do their very best work in and outside of the classroom to be successful in this course.

### One last reminder...

I know an AP class can sound intimidating, but you were recommended for this class because you are ready. It will require some work, but the benefits will make all that worthwhile. I look forward to an exciting and successful year! If you have any questions, please feel free to contact me. Please join the family access so you can closely monitor your child's progress in my class. Thank you! ☺