



Course Title: AP Calculus

Instructor: Braden Ballantyne

Instructor Availability: Everyday at lunch, after school by appointment

Instructor Contact: ballantyne@gomperscharter.org (949) 302-8890 room 66

Course Description:

AP Calculus is a year-long course founded upon the standards and objectives as outlined by the College board. Students will develop an understanding of a range of advanced mathematical topics including limits, derivatives, and integrals. Students will also be afforded a significant amount of class-time each day to practice their mathematical skills.

GPA Grading Guidelines:

Category	Grading Criteria	Percentage
Classwork	Pretests	30%
Demonstrations of Learning	Unit Tests	35%
Homework/Independent Learning	Daily Assignments	10%
Quarter Finals	Final Exams	25%

* Classwork/Participation and Homework/Independent Learning will be updated weekly.

Prerequisites: Pre-Calculus or Int 3 teacher recommendation

Course Materials: TI-84 Calculator (will be provided), notebook

Course Structure: Lecture based



Course of Study:

1. Limits, Continuity, Differentiability
2. The Derivative
3. Analyzing Derivatives
4. Application of Derivatives
5. The Antiderivative
6. Applications of Antiderivatives
7. Motion Applications
8. Applications of Integrals
9. Approximate Integral Applications
10. General Integral Applications
11. Area and Volume

Course Specific Student Expectations:

All students will take an AP Calculus exam which will be administered on Tuesday, May 15, 2018. Students who score a 3 or higher on this exam will earn 4 credits of 1st semester college Calculus at most colleges and universities (some institutions require 4 or 5).

Accommodations/Modification and Supports:

Any student who requires accommodations, modifications or additional supports should contact me as early as possible so that we may arrange accommodations, modifications and supports.

GPA Student Expectations:

School-wide Attendance: All students are expected to be punctual and in their classroom seat, ready to learn for each day. Under California law (Ed. Code 48200) all children between the ages of six and eighteen are required to be enrolled and in regular attendance at school. GPA families know that school attendance is the critical first step to make sure that each student receives an education that will help them on their path to college. Students cannot learn what they need to be prepared for the next grade level, if they are not in school. The more absences from school a student has, the more they fall behind in their classes and the more difficult it will be to make it to college.

Planner Use: All students are expected to write all assignments in their GPA planner daily. Your first GPA planner will be provided by the school to support organization and time management.

Homework Completion: As a school working toward college preparation, all GPA students are expected to complete their daily/weekly assignments. Students who fail to complete their homework assignments on time, and are unexcused, will be required to attend lunch and after



school tutoring support daily until completed. Until all assignments are completed, students may not be eligible for athletics, clubs, and other extracurricular activities.

Electronic Device Policy: Cell phones, smart watches, and other electronic communication devices that can send and/or receive data are not permitted to be visible, heard, or used in any manner during school hours except by approval of school authorities. Any violation and/or disruption of the learning process will result in the confiscation of the item. The parent/guardian must pick up the confiscated item from the Office of Student Conduct or the teacher.

Computer/Internet Usage Policy: Students may not use computers and/or the GPA network without proper adult supervision. The teacher/staff will choose resources on the Internet that are appropriate for classroom instruction and/or research for the needs, maturity, and ability of their students.

Acceptable Use-

- Access to any site that provides information relevant to current class assignments
- Access to college or university websites
- Use of teacher approved educational software (games, instructional tools, etc.)

Academic Integrity: Honest behavior is an expectation for all students at Gompers Preparatory Academy. Our goal is to create and maintain an ethical academic atmosphere. Acts of academic dishonesty that will not be tolerated at GPA are listed below:

- Cheating on any classroom assignment, test, or quiz
- Plagiarism - copying or representing another's ideas, words, or work as one's own, without properly citing the source. Plagiarism includes the misuse of published material, electronic material, and/or the work of other students. The original writer who intentionally shares his/her work for another to copy, without the permission of the teacher, is also engaged in plagiarism.
- Fabrication (any falsification or invention of date, citation, or other authority in an assignment); theft or alteration of materials
- Unauthorized collaboration
- Unauthorized use of electronic devices

Students found in violation of GPA's Academic Integrity Policy will be disciplined appropriately which may lead to formal suspension. Consequences for offenses may include, but are not limited to, detention, *lowering of academic and citizenship grade and/or suspensions/exclusion from extracurricular activities.*

Important Dates:



Quarter 1:

- Q1 Finals Week: October 23rd and 27th
- Parent Conferences: October 23rd - 27th
- End Date: October 30th

Quarter 2:

- Q2 Finals Week: January 22nd - 26th
- Parent Conferences: January 16th - 22nd
- End Date: January 31st

Quarter 3:

- Q3 Finals Week: April 9th - 13th
- Parent Conferences: April 16th - 20th
- End Date: April 23rd

Quarter 4:

- Q4 Finals Week: May 29th - June 1st
- End Date: June 26th

Student Signature : _____ Parent/Guardian Signature: _____

Date: _____

