

# Calculus Syllabus

## Teacher

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## Course Overview

Calculus is a branch of mathematics that involves the study of rates of change. Topics include functions, limits and continuity, derivatives, and integrals. The course will focus on applying the skills and concepts of calculus to modeling and solving problems across multiple representations.

## Classroom Expectations

- Be on time and prepared to learn
- Be on task
- Respect the classroom, your peers, and yourself
- Be responsible for your own learning

## Technology

Students will be provided with a TI-84CE Plus graphing calculator during class. Some problems throughout the course will require them to use their graphing calculators.

## Textbook

Demana, Waits, Kennedy, Bressoud, Boardman. *Calculus: Graphical, Numerical, Algebraic*. 4th Edition. Pearson/Prentice Hall.

## Required Materials

- 2 in Binder
- Loose leaf Paper
- Expo marker
- Pencil

## Grading

Students need to give their very best effort at all times. Grades are awarded based on effort and understanding. I **DO NOT** give extra credit because almost everything can be turned in for late credit.

Activity grades for the unit are updated on test days.

Test grades will be given back within one week of being taken.

## Activity Grades

- Practice will be assigned on DeltaMath.com via Google Classroom. This will serve as the activity grade(s) for the unit.
  - Due at 8 AM the day of the test for the given unit
  - Can be turned in after the due date before the last day of the term (date specified by me) for up to *85% credit*.
- Quizzes will be given at least once each unit.

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## Test Grade Policy

Unit Tests will be given at the end of each unit. All tests will be AP style tests. Most units will have two day tests that will have 1 day for Multiple Choice and 1 day for Free-Response.

There will be two ways to earn points back on your test

1. Test Corrections
  - a. You will correct your test on blank paper following the guidelines I give you. All corrections will earn HALF CREDIT back to your test.
  - b. Due 1 week after your test is handed back to you
2. Reteach/Retest
  - a. Eligibility for Reteach/Retest:
    - i. Everyone gets 1 per nine weeks
    - ii. Raw score of 50% or lower
  - b. The only way to get out of *reteaching* is to complete your test corrections for no credit. This shows you understand the mistakes you made and do not need me to explain anything again.
  - c. Reteaching will consist of going over any questions from the test that you still do not understand and then completing practice problems together if time allows.
  - d. Retests are always short answer, do not expect an easier test for retesting.

## Make-up Work

Students are expected to take responsibility for their make-up work. Students are expected to watch the video and take notes on their own for the days that they miss.

Handouts, notes, and paper assignments will be found in the absent folder for their class period and are expected to be retrieved at the beginning of class when they return.