

# AP Calculus AB

## Welcome!

AP Calculus AB is a rigorous academic program built on the commitment, passion, and hard work of students and me alike that is equivalent to a first-semester college calculus course. I am an experienced and dedicated teacher, and I will help each student develop and apply the skills, abilities, and content knowledge they will need later in college, and, perhaps in life. My goal is to make each student think and to prepare them to make a FIVE on the AP Calculus AB exam. (and up to 4 hours credit!)

## About Me

I am a 1992 graduate of NBHS, as is my wife. We have two kids, both in NBISD. This is my 13<sup>th</sup> year of teaching, before which, I built homes for three years. I have a BS in Math from UT Austin. I have taught every math class on campus, have sponsored Math Club and U.I.L. Math, currently sponsor the Creative Writing Club, and I have two math shows on local channel 98 (one of which is Emmy nominated). I've graded AP Calculus Exams as a College Board consultant. I work the chains at home football games and I haul the mascot to away games. I'm not afraid to make a fool of myself in the name of education. In short, I am a true-blue Unicorn. I teach Sunday School on the side.

## Grading

This is a Level IV class. As outlined in the student handbook, grades are weighted as follows:

|                         |       |     |
|-------------------------|-------|-----|
| TESTS (No retests)      | ----- | 80% |
| Worksheet & Quiz Grades | ----- | 20% |

We will test twice each grading period. We will quiz every two to three days. Worksheets will be due every one to two days. I will drop one low grade from the 20% category.

## Tutorials

Monday - Friday  
7:20 a.m. - 8:40 a.m.  
4:00 p.m. - 4:20 p.m.

I'm also available during B-Lunch and during 7<sup>th</sup> period.

I have duty on Tuesdays before & after school

## Contact Information

Email: [kkorpi@nbisd.org](mailto:kkorpi@nbisd.org)

Website: [www.korpiworld.com](http://www.korpiworld.com)

Voicemail: (830) 627-6093

## Textbooks

Students do not need a textbook. All curriculum for this class is available online at [www.korpiworld.com](http://www.korpiworld.com). Students are encouraged to have the notes printed out before class, but this is not a requirement. Extra help on topics can be found at the following websites:

[www.khanacademy.org](http://www.khanacademy.org)

[www.brightstorm.com](http://www.brightstorm.com)

<http://tutorial.math.lamar.edu/>

[www.google.com](http://www.google.com)

## Calculators

Part of AB Calculus is learning how to use and NOT use a calculator. The calculator will be used as a computational tool to evaluate numeric derivatives and integrals. TI-83/84/89 are permitted. I will be teaching with the TI-84 family. A TI-83 emulator is available for free download on [www.korpiworld.com](http://www.korpiworld.com)

## WS Scoring Scale

- 4 All assigned problems are complete and student has shown work. The overall assignment is well organized, problems are numbered and work is legible.
- 3 Most of the problems have been completed, but some may be missing an explanation. The overall assignment is well organized, problems are numbered and work is legible.
- 2 Half of the assigned problems have been completed and some problems may be missing an explanation. The overall assignment is well organized, problems are numbered and work is legible.
- 1 Now work is shown; only one number answers are given.
- 0 No assignment is turned in.

## Monday Mail

I post new Monday Mail each Sunday evening on [www.korpiworld.com](http://www.korpiworld.com). In it, you will find a daily description of what we're doing for the week, when work is due, when we're having announced quizzes, important announcements, weekly campus activities, more information about math than you'll probably care to read, and an original math limerick.

## Make Up/Late Work

It is not a good idea to miss a day in any upper-level math class. Pre-arranged absences should have work turned in in advance. Students who have unforeseen absences should get their work done as soon as possible. It is each student's responsibility for inquiring about and making up any missed quizzes and tests.

Turning in late work is a very way to be unsuccessful in this class. Topics build upon each other. Failing to keep up puts holes in the foundation required for subsequent success. Late work will be reluctantly taken in accordance with the student handbook.

## AP Standards

- AP classes require a substantial time commitment. Students should plan on doing homework nightly and studying / practicing for all quizzes and tests.
- All assignments must be completed on time.
- AP students must learn to work quickly and without always using a calculator.
- AP students should expect quizzes and tests to be time pressured.
- AP students must realize that not all problems will be duplicates of those they have seen in class. They will need to apply previous skills to new situations, join together separate methods, or at times develop their own method in solving problems.
- When absent, AP students are expected to get the notes and assignment from a classmate. In the case of school related absences, the student will be expected to get the assignment in advance.
- AP students are expected to demonstrate integrity in their work.
- All AP students are expected to take the AP exam in May. I will prepare each student to pass with the highest score of 5. I expect them to do their part in fulfilling this realistic goal.