

KENMORE EAST HIGH SCHOOL
AP CALCULUS 2012
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Congratulations on being a part of one of Kenmore East most select academic groups. You have an opportunity to bring credit to yourself and to Kenmore East High School.

This course is designed for the **high achieving, motivated, self-disciplined** student who wishes to obtain college credit for calculus while enrolled at Kenmore East High School.

This course is more thorough and comprehensive than most college first semester calculus courses. Additionally, our students find that they have already learned some of the required topics found in the second semester college course.

You will be asked to not overextend your schedule and to stay academically focused during your senior year. During busy times in your schedule, you may have to commit to early morning or late night hours.

You should also expect a Saturday practice examination given in the spring of 2011 (**Saturday, April 20, 2013 from 8 am – 12:30pm**). TI-83 or 84+ calculators are required, as they were during the pre-calculus course. You will also need a **large** 3-ring notebook with dividers. Many hand-outs will be given out during the school year. The dividers can be for: Review/Fact Sheets, Daily Notes, Tests and Quizzes, Completed Homework Assignments and previous AP questions.

The course, favors a college calendar with an early May AP-examination. For that reason, I require a summer assignment to be thoroughly completed and **turned in on time** over the summer. This assignment is to refresh your pre-calculus skills learned as juniors and will enable us to get to an early start into the new topics of the course.

The AP examination covers:

- *Pre-calculus
- *Limits
- *Continuity
- *Competence with the graphic calculator (TI-83+/84+)
- *Differentiation
- Integration

*These items are refreshed with the summer assignment.

Study Groups: A list of all students in the course with phone numbers and e-mail addresses will be provided. We encourage you to work in study groups to do and to learn from the summer assignment. ***How you perform in May on the AP-examination will be a consequence of your pattern of study and course preparation.*** The AP-examination is an exam that favors thinking and reasoning skills and abounds with original problems.

Fact Sheets: Fact sheets are also given to you. They deal with important facts to know by rote memorization. These trigonometric and pre-calculus facts will be questioned on many of our tests and you will have to know them without the use of your calculator.

Issued Textbook: Calculus, by Finney, DeMana, Waits, and Kennedy