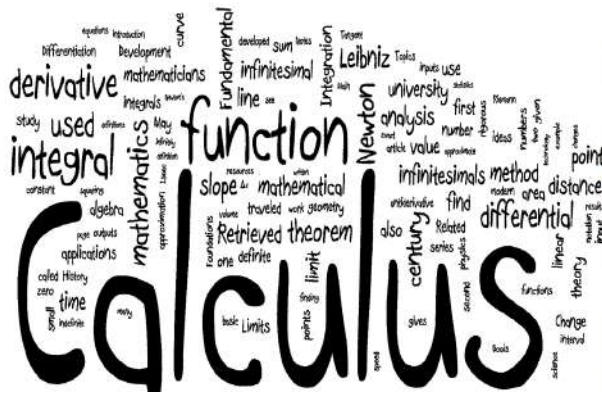




AP Calculus AB

PIKE HIGH SCHOOL

For more information contact::

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PIKE HIGH SCHOOL

AP Calculus AB

Mrs. Angela Bolotin

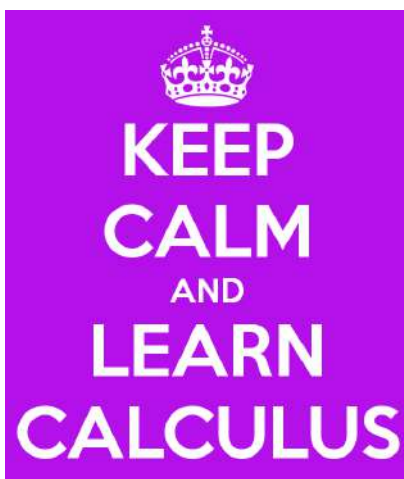
Office Hours in Room K113:

Tu & W 2:30-3:30 pm

Mornings as needed

Why take AP Calculus AB?

- 1) College Preparation—students feel more confident with their math skills and colleges will be impressed by AP Calculus on a high school transcript.
- 2) The Academic Honors Diploma requires each student to take at least one AP class (with a C or higher).
- 3) Earning a 3, 4, or 5 on the AP Exam could potentially lead to college credit.



COURSE TOPICS:

The following chapters correspond to the Pearson textbook.

Material Covered—Semester I

- Chapter 2 “Limits and Continuity”
- Chapter 3 “Derivatives”
- Chapter 4 “Applications of Derivatives”
- Chapter 5 “Integration”
- Motion application problems

Material Covered—Semester 2

- Chapter 5 “Integration” continued
- Chapter 6 “Applications of Integration”
- Chapter 8 “Differential Equations”
- AP Exam Review

COURSE OBJECTIVES:

You’ll learn about two new mathematical concepts. The *derivative*, which generalizes and extends your knowledge of slope, and the *integral*, which generalizes and extends your knowledge of area. You will learn to use calculus to model phenomena in the sciences, economics, and other disciplines.

The main focus is a solid background in the course topics listed above needed to indicate good preparation for the Advanced Placement Calculus Test (AB) in May. The test will consist of 45 multiple-choice questions, most involving some computation, and 6 free-response questions, equally weighted.



Which students do well in AP Calculus?

- Exhibit a genuine interest in mathematics
- Are committed to earning college credit/placement by passing the AP Exam
- Plan to concentrate their college studies in areas which require calculus
- Take responsibility for any prerequisite skills or knowledge required by the class

COURSE GRADES:

Grading Scale: This class will use the standard school scale. Grades are based on the following weighted system.

Class Work	10%
Quizzes	25%
Unit Exams	65%
Final Exam	20%