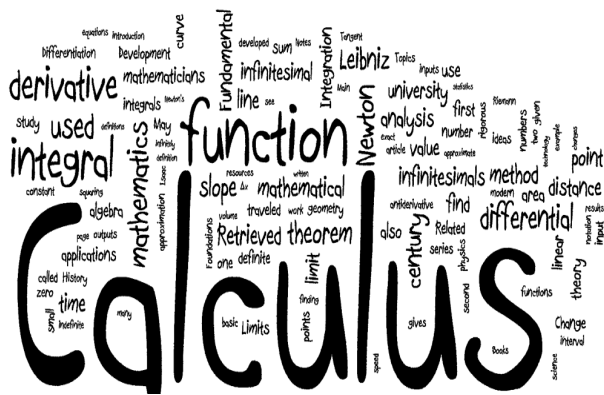
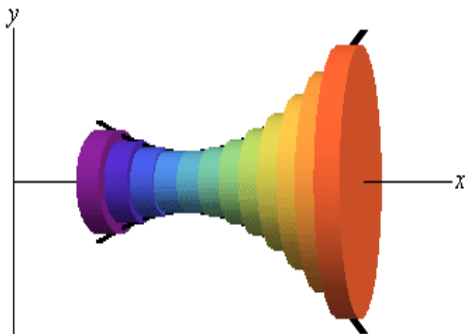


Who Should take an AP Calculus AB class?

Any motivated and academically prepared student should take AP Calculus!

AP Calculus depends heavily on the skills and knowledge learned in Algebra I, Geometry, Algebra II, Trigonometry, and Pre-Calculus.

Any honors/advanced classes taken prior to the class are not necessary but preferred.




AP Calculus AB

PIKE HIGH SCHOOL

For more information contact::

Angela Bolotin

Phone: 317-387-2748

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PIKE HIGH SCHOOL



AP Calculus AB

Mrs. Angela Bolotin

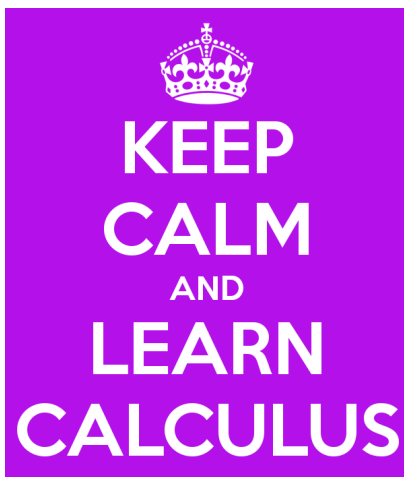
Office Hours in Room K113:

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 1

- 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%