Who Should take an AP Statistics course?

AP Stat is an introductory course in statistics. You'll learn how to collect, organize, analyze, and interpret data. At Pike, AP courses also improve your GPA because they are weighted.
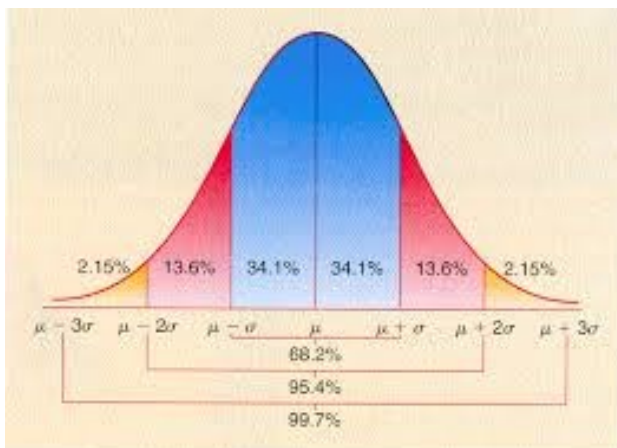
So, who needs statistics? Apparently more people than need calculus. More of us will use statistics than will use calculus, trigonometry, or college algebra; that makes AP Statistics your opportunity to learn how to produce and use data, to recognize bad data, and to make decisions with data. Statistics allows **_you_** to drive data, rather than being driven by it.

You can take this class as long as you have completed Algebra 1 & 2 and Geometry. You can take this class concurrently with Finite Mathematics, Pre-Calculus and with Calculus.

Everyone uses statistics, college-bound or not. Those going to college will probably take some class, some time that uses statistics. Why not be prepared?

HOW TO SUCCEED IN AP Statistics :

If you don't do your homework, AP Stat is hard. But it's not like a regular math class—we don't have problem after problem in which the answer is "4" or "x + 3." As a bonus, you **don't** have to memorize formulas and we use a graphing calculator every day.

AP Statistics

PIKE HIGH SCHOOL

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AP Statistics

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Why take AP Statistics

- It is a full-year class for a course that in college is taught in one semester. So that means you will have plenty of time to ask questions and completely understand the concepts. You will go to college fully prepared, even if your college professor isn't very good at teaching. Former students come back to report that they tutor the rest of their college friends when it comes to statistics.

- Also, if you receive a 3, 4, or 5 on your AP Stats Exam, you will receive college credit!

- If you take the AP Exam in May, then you don't have to take a full final. Instead you will have an opportunity to do a fun project!!!

COURSE OBJECTIVES:

The main objectives of the course is to give students an understanding on the main concepts of statistics and to provide them with the skills needed to work with data and draw appropriate conclusions based on their computations. Students are expected to be able to analyze a problem completely. They must setup the problem, go through the calculations and raw conclusions based on their data. The calculators are also used to simulate data that is found in real life that is otherwise difficult to gather.

COURSE TOPICS:

Material Covered—Semester 1

- Exploring Data

- Modeling Distributions of Data

- Describing Relationships

- Designing Studies

- Probability

- Random Variables

Material Covered—Semester 2

- Sampling Distributions

- Estimating with Confidence

- Testing a Claiming

- Comparing 2 Groups

- Inference for Distribution of Categorical Data

- More about Regression

COURSE GRADES:

80% Tests, Quizzes, and Homework
- 80% Test/Quizzes
- 20% Homework

20% Final