Interested in

- Business
- Law
- Medicine
- Engineering
- Material Sciences
- Social Sciences

We can help!
Course Objectives

• AP Statistics is a rigorous college-level course that introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data.

• This course emphasizes problem solving, critical thinking and communicating mathematical ideas.
The 4 Conceptual Themes:

- Exploring Data — describing patterns and departures from patterns

Sampling and Experimentation — planning and conducting studies and experiments

Anticipating Patterns — exploring random phenomena using probability and simulation

Statistical Inference — estimating population parameters and testing hypotheses
Pre-Requisites

Successful completion of Algebra 2

Demonstration of mathematical maturity and quantitative reasoning ability

Ability to read and synthesize material and communicate mathematical reasoning both in writing and orally
Textbook

The Practice of Statistics for the AP Exam 6th Edition,
Starnes & Tabor
Recommended calculator

- TI – 84 or higher

We will use this extensively in class, on assignments and on tests!
COURSE REQUIREMENTS

The following determine your FINAL GRADE:

• Homework/Classwork 10%
• Group Work 7%
• Group Tests 5%
• Final Project/Exam 10%
• Tests/quizzes 68%

100%
Class Tests

• Consist of 8 multiple choice/ 2 free response questions (similar format to the AP test)

Raw scores (0 to 16) are converted to a final score of 1 to 5 points similar to the AP test

Raw score:  
11 – 16 → 5 → A  
9 – 10 → 4 → B  
7 – 8 → 3 → C  
5 – 6 → 2 → D  
4 or below → 1 → Fail
The grading scale is as follows:

- 90% and above = A
- 80 – 89% = B
- 70 – 79% = C
- 60 – 69% = D
- Below 60% = Fail

The lowest passing grade is 60%
The AP Exam

Given in early May each year

3 hours for 2 parts:
- 40 multiple choice questions
- 5 open-ended questions and 1 investigative task

A score of 3 (out of 5) or higher may qualify you for college credit or advanced placement

I expect EVERYONE to take it!
What can you do to succeed in AP Statistics?

1. Find a quiet place to study and do homework.

2. Get enough sleep! (You need at least 8 hours/night)

3. Listen in class, take good notes and ask questions when you don’t understand.

4. Form or join a study group to work on the material and study with classmates. Two (or more) heads are better than one!
You got this!!!