

Canyon Crest Academy: AP Statistics

Level of Difficulty	Estimated Homework	Prerequisites
<input type="checkbox"/> Moderate <input type="checkbox"/> Difficult <input checked="" type="checkbox"/> Very Difficult	60-90 minutes	District C in Integrated Math 3 or C in Algebra 2 Department B in Integrated Math 3, or B in Algebra 2, or B in Math Analysis w/Trig, or C in Statistics

Course Description

In **AP Statistics** students will learn how to analyze data (exploration of data, describing locations in a distribution, examining relationships) and how to produce data (from surveys, observational studies, and experiments). They will also learn the foundations for inference (which include probability, random variables, geometric and binomial distributions, sampling distribution), and finally, inference (confidence intervals and a variety of significance tests).

Students will find that there is more reading and analysis than in previous math courses; pacing is fast and the course requires a strong math background. There are a variety of projects, and due to the technical nature of the course, students will be required to learn a variety of statistical functions on a graphing calculator.

An emphasis will be made on group work, reading/writing technically, and data/graph analysis. This course is weighted.

Grading

Students will be expected to spend an average of approximately 1 to 1 and 1/2 hours outside of class on homework for each class period. Approximately 1 to 2 sections from the text will be covered per class and one chapter will be covered every week. Each semester will have approximately 8 tests and 8 quizzes. Grades will be calculated within the following guidelines:

- Tests and Quizzes: 75%
- Homework: 10%
- Projects: 15%

Syllabus Link

Supplemental Information

10 credits

Meets UC/CSU subject "c" requirements

Meets high school graduation requirements for mathematics

Weighted GPA