

# Canyon Crest Academy: Statistics & Probability

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| Level of Difficulty   | Estimated Homework | Prerequisites  |
|---|--------------------|--|
| <input type="checkbox"/> Moderate<br><input checked="" type="checkbox"/> Difficult<br><input type="checkbox"/> Very Difficult | 30-60 minutes      | <b>District</b><br>C in Integrated Math 3 or C in Algebra 2<br><b>Department</b><br>C in Integrated Math 3 or C in Algebra 2 |

## Course Description

Topics covered include summarizing, graphing, describing, exploring, and comparing data sets; correlation and regression; probability and probability distributions; normal distributions; estimates and sample sizes; confidence intervals, hypothesis testing, and inference. Students will conduct a variety of observational studies from which they will analyze data and draw conclusions, and they will learn the ins and outs of a majority of the statistical functions of a graphing calculator. This is a slower-paced, more activities-oriented course than AP Statistics, which allows for deeper exploration of individual statistical topics.

## Grading

|                              |     |
|------------------------------|-----|
| Assessments (tests, quizzes) | 50% |
| Projects                     | 25% |
| Homework/Classwork           | 15% |
| Special Problems             | 10% |

## Syllabus Link

## Supplemental Information

10 Credits

Meets high school graduation requirement for math or electives

Meets UC/CSU subject area "c" requirement