

AP Statistics



- **Course Description:**

This one-year course introduces students to major concepts and tools for collecting, analyzing and drawing conclusions from data. Students observe patterns and departures from patterns, decide what and how to measure, produce models using probability and simulation, and confirm models. Appropriate technology, from manipulatives to calculators and application software, are used regularly for instruction and assessment. After successfully completing Math Analysis, students may select this course as part of their college preparatory track.

- **Course Expectations:**

Students will be given homework daily. Students typically spend at least an hour each night reviewing and working through homework problems. Additionally, students should expect to spend time reviewing and studying for quizzes, tests and final exams. Assigned homework will be the minimum of problems students are expected to complete; students should work additional problems to master the topic. The majority of the course grade is determined by quizzes, tests and the final.

- **Special Projects:**

Following the AP Exam, students complete a project examining a free-response question from the current year's AP exam. In this project, they solve the question and develop a scoring guideline for the response.

- **Beyond the general education course:**

Because of the college-level focus of the course, students are expected to take on responsibility for their learning. Homework may or may not be collected, but students are expected to be current with the material regardless of homework collection.

- **Other:**

This class is great preparation for college. All students, regardless of whether they plan to continue in a math/science path, will benefit. Learning how to approach a college style class, meet teacher expectations, and work rigorously helps to develop study and problem solving skills that are valuable in all fields. In addition to earning college credit, passing the AP Statistics test can accelerate a student's ability to meet requirements for college, since Statistics courses are required in many bachelors programs. While this class may only be offered every other year, it is a great option for students with accelerated math skills who need additional math classes during high school.