

Benefits of the AP Program

AP provides students the opportunity to take university- level classes while still in high school.

AP courses develop college level academic skills by digging deeper into subjects, requiring students to hone their time management and study skills while tapping into their creativity and problem-solving skills.

College credit is awarded if the student passes the AP exam with a 3 or higher.

AP credits are accepted internationally. Always check with potential colleges prior to taking classes.

AP courses stand out in the college admission process because they demonstrate academic rigor.

AP Scholar Awards

AP Seminar and Research Certificate is granted to students who earn scores of 3 or higher in both AP Seminar and AP Research.

AP Capstone Diploma is awarded to student who earn scores of 3 or higher in AP Seminar and AP research and four additional AP exams of their choosing.

AP Offers additional quality points in the weighted GPA

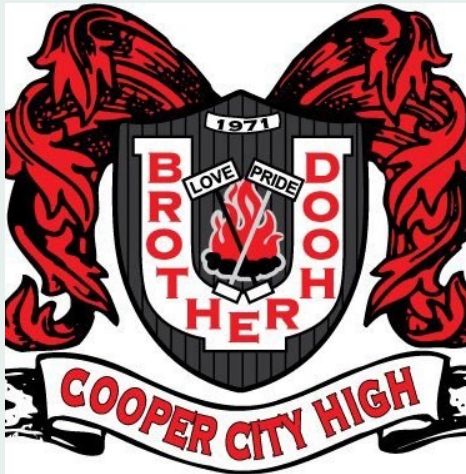
AP Classes prepare students for college



Cooper City High School

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Colors: Black, White, Red
Founded: September 1971
Mascot: Pistol Pete
Motto: "Home of the Cowboys"



Vera Perkovic
Principal

Cooper City High School
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Presents...

AP Information Night



AP Statistics





AP Statistics

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

AP Scholar

Granted to students who receive scores of 3 or higher on three or more AP Exams.

AP Statistics Course Content

The course content is organized into eight commonly taught units, which have been arranged in the following suggested, logical sequence:

- ☐ Unit 1: Exploring One-Variable Data
- ☐ Unit 2: Exploring Two-Variable Data
- ☐ Unit 3 - Collecting Data
- ☐ Unit 4 - Probability, Random Variables and Probability Distributions
- ☐ Unit 5 - Sampling Distributions
- ☐ Unit 6 - Inference for Categorical Data: Proportions
- ☐ Unit 7 - Inference for Quantitative Data: Means
- ☐ Unit 8 - Inference for Categorical Data: Chi-Square
- ☐ Unit 9 - Inference for Quantitative Data: Slopes

PREREQUISITES

Before studying statistics, all students should complete Algebra 2 Honors or higher. Algebra 2 students should take Probability and Statistics Honors before considering moving to the rigor of this advanced placement course. This course can be taken before, during, or after AP Calculus.

This course should be strongly considered by anyone planning to go into research, insurance fields (actuaries), engineers (manufacturing and production analysis) and medical field. Statistical analysis touches numerous disciplines of study.

[Sign In to AP Classroom](#)

Assessment Overview

The AP Statistics exam is 3 hours long and includes a 90 minute, 40 question multiple-choice questions section and 90 minute 6 free-response questions. The free response section includes one questions that is an investigative task. The national passing rate is about 60%.