

**Elizabethtown Area School District
Scope & Sequence - Quick Reference**



Department: Math

Course: AP Statistics/College in the High School Statistics

Grade Level(s): 11-12

Course Description: This weighted course is designed for students who are strong in mathematics and plan to major in math or science-related fields. This course will explore data using graphical and numerical techniques. Students will learn to devise a well-developed strategy for collecting data and making valid inferences. Topics to be covered include normal and binomial distributions, measures of central tendency and dispersion, regression analysis, sampling, correlation, hypothesis testing, and confidence intervals.

There are two options for potential to earn college credit. 1. Upon successful completion of this course, students choosing to take the AP exam, scoring three or above, may receive college credit from participating colleges and universities. 2. Applying to be in the College in the High School program through University of Pittsburgh. This program gives students a chance to earn credit for STAT1000 from University of Pittsburgh. The student's letter grade would be on a University of Pittsburgh official transcript.

A graphing calculator is required for this course. (A TI-83 or TI-84 is the recommended calculator.)