

COURSE TITLE: Statistics with Technology

Level of Difficulty	Estimated Homework	Prerequisites
Moderate	0-60 minutes per week	District: Grade of C or better in Algebra 2 CP Department Suggestion: Grade of C or better in Algebra 2 CP

Course Description:

Statistics is a class that all citizens should take and especially those that may become future leaders in society. This class is a non-AP class designed to educate students about the proper use of statistical techniques and the examination of the use and misuse of statistics throughout society. Students will explore one and two variable statistical techniques, polls, surveys, experiments, probability, confidence intervals and hypothesis testing. Students will learn to use the powerful capabilities in their graphing calculators and computers for statistical analysis. Students will also be introduced to some basic concepts of programming, algorithms and analysis of big data used in politics, business, medicine and sports. Students will have the flexibility to pursue topics that they are interested in and topics that are currently in the news.

Grading:

Grade will be based on mastery of specific learning targets related to topics mentioned in the Course Description above.

Syllabus:

The course is based on the textbook, Stats In Your World, Second Edition, and closely follows the table of contents of that textbook.

Supplemental Information:

This class meets UC A-G Subject Area "C" requirements