Montclair High School
Course Syllabus

Department: Mathematics
Course: AP Statistics
Level: AP
Credits: 5

Course Description:
This course is designed to be equivalent to a one-semester, introductory, non-calculus-based, college course in statistics.

Standards:
Students taking this course in high school should have **successfully** **completed Algebra 2 and should have an <u>SAT verbal</u> score of at least 500**.

Anchor Text(s):

Text Title	Publisher/Author	Year/Edition	ISBN	Text Distribution
The Practice of Statistics	Freeman	Fifth Edition	978-1-4641-0873-0	Hard copy

Supplementary Materials:
PowerPoints and worksheets. Please note that a TI-84 is required for this class.

Units of Study:
Students are exposed to four broad conceptual themes:
1. Exploring Data: Describing patterns and departures from patterns
2. Sampling and Experimentation: Planning and conducting a study
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses>

Proficiencies:
By the end of this course, students will:
- be introduced to the major concepts and tools for collecting, analyzing and drawing conclusions from data

Evaluation & Assessment:
- Homework   10%
- Quizzes   40%
- Test   50%