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 SAT verbal score of at least 500.

Anchor Text(s):

<table>
<thead>
<tr>
<th>Text Title</th>
<th>Publisher/Author</th>
<th>Year/Edition</th>
<th>ISBN</th>
<th>Text Distribution</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Practice of Statistics</td>
<td>Freeman</td>
<td>Fifth Edition</td>
<td>978-1-4641-0873-0</td>
<td>Hard copy</td>
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</tbody>
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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%