

**AP Statistics Syllabus**  
**Teacher: Jenny Collier**  
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### **Course Design**

One of the greatest differences between statistics and other mathematics courses is that statistical instruction takes on a variety of forms. Students in my AP Statistics course often work in groups to gather, analyze, and discuss conclusions drawn from data. Classroom discussion pertaining to statistical topics is encouraged as it is an integral part of developing an understanding of the methodology, practical application, and inferences drawn from the subject.

Projects are a big part of this course. Throughout the semester students will be assigned several projects. Students will work in groups, sometimes partners, and sometimes individual's projects will be assigned. Students will be required to use technology such as the graphing calculator, and College board.

All students are required to have Ti-83/Ti-83 +/- Ti-84 graphing calculator for use in class, at home, and on the AP Exam. Students will use their graphing calculator extensively throughout the course

### **Course Requirements**

AP Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes, with appropriate emphasis given to each:

- **Exploring Data:** Describing patterns and departures from patterns
- **Sampling and Experimentation:** Planning and conducting a study
- **Anticipating Patterns:** Exploring random phenomena using probability and simulation
- **Statistical Inference:** Estimating population parameters and testing hypotheses

AP Statistics draws connections between all aspects of the statistical process, including design, analysis, and conclusions.

AP Statistics teaches students how to communicate methods, results, and interpretations using the vocabulary of statistics. Class discussion is encouraged to develop students' ability to communicate statistically.

AP Statistics teaches students how to use graphing calculators and demonstrates the use of computers and/or computer output to enhance the development of statistical understanding through exploring and analyzing data, assessing models, and performing simulations.

### **Primary Textbook**

Starnes and Tabor: *The Practice of Statistics*. 6<sup>th</sup> ed. W.H. Freeman and Company :  
Cost \$159.90

**CLASS EXPECTATIONS:**

1. Students are expected to be on time to class, prepared to begin when the bell rings.
2. Students are expected to bring their book, pencil, paper, and a **graphing calculator** to class daily.
3. Students are expected to arrive with their assignment completed.
4. **RESPECT** for the teacher and classmates are to be given at all times.
5. Students are expected to demonstrate regular and punctual attendance and comply with the attendance policy to receive credit for the course. (*See student handbook*)
6. Students are not to damage desks, walls, bulletin boards, or any classroom property.
7. Students should check Schoology for assignments daily.
8. Students should use Schoology to message teacher with questions.
9. Finally, students are expected to work with a partner, take notes, work in class, finish work at home, and have a positive attitude.

**MAKE-UP POLICY:**

Students should check make up folder and Schoology for missing assignments. Students have 5 School days to make up Summative assignments. Students should check with the teacher for the best time to make up test. All formative assignments should be made up before the test.

**Method of Evaluation:**

The semester grades are made up of a combination of Formative (40%) and Summative (60%) assessments.

- At the end of a semester course, the Final Course Average is calculated with 90% (semester grade) and the Final Exam, 10%.

**AP Statistics**

**Syllabus is posted online on my website and in Schoology.**

**STUDENT NAME**\_\_\_\_\_

**STUDENT SIGNATURE:** \_\_\_\_\_

**PARENT SIGNATURE:** \_\_\_\_\_

**PARENT'S (MOM & DAD) CELL PHONE NUMBER:**

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**PARENT'S E-MAIL ADDRESS**

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