

Teacher: Ms. Lee	Room: M6
Email: jlee@mppanthers.org	
Office Hours: Before school from 7:30 a.m. to the start of homeroom *In the case of zero period, please come see me to schedule time.	

Course Description/Overview: AP Statistics is the equivalent of a one semester, introductory college statistics course. This course includes all of the topics on the AP Statistics Exam, including developing strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students will learn how to design, administer, and tabulate results from surveys and experiments, probability and simulations will aid students in constructing models for chance phenomena, and the understanding of sampling distributions will provide the logical structure for confidence intervals and hypothesis tests. To develop effective statistical communication skills, students are required to prepare frequent written and oral analyses of real data.

This class is geared toward preparing students for the AP Statistics Exam in May 2024. By doing well on the AP Exam, students may receive college credit, advanced placement, or both for an introductory statistics course. All students will be expected to take the AP Exam.

Required Materials: Our textbook can remain at home for use on homework and preparing for tests. Students should bring to class each day:

- A binder (or notebook/folder) to be used only for AP Statistics.
- Several pens or pencils.
- A willingness to challenge yourself.

Most of the work you do outside of class will be difficult/impossible to do without a graphing calculator. For these reasons, it is **REQUIRED** that you have and bring your own graphing calculator. A TI-84+ is the most recommended and can be found at many retailers or online.

Course Units and Summative Assessments:

1st Semester: Ch. 1 – Exploring Data Ch. 2 – Modeling Distributions of Data Ch. 3 – Describing Relationships Ch. 4 – Designing Studies Ch. 5 – Probability: What are the Chances? Ch. 6 – Random Variables Ch. 7 – Sampling Distributions	2nd Semester: Ch. 8 – Estimating with Confidence Ch. 9 – Testing a Claim Ch. 10 – Comparing Two Populations or Groups Ch. 11 – Inference for Distributions of Categorical Data Ch. 12 – More about Regression AP Exam Review
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Grading: The primary purpose of grades will be to communicate the academic achievement of students to families, the school, future employers, and post-secondary institutions. A grade in AP Statistics will accurately reflect what students know and are able to do in the course.

Grade Make-Up: Grades will be based on the following:

1. Homework/Professionalism (15%)

Students are expected to complete the homework so they can participate in a discussion of the problems and ask questions about problems they did not understand.

2. Quizzes (35%)

Quiz grades will be given for the free response questions that are done before the chapter tests. The free response questions are graded using the AP rubrics and then scaled to a number score out of 100. There will also be several vocabulary quizzes separate from the free response questions.

3. Tests (50%)

Tests will generally be comprised of multiple choice (MC) questions. Although many classes use grading practices based on learning targets, this course will be graded more traditionally so as to better prepare students for the AP Exam. All tests must be completed to earn credit for the course. Extra time will only be allowed by teacher discretion. This is meant to prepare students for the timed AP Exam in May. Students are responsible for letting the teacher know about any issues with a test day ahead of that date.

Missing & Late Work: The due date for all homework assignments is the next class period, unless stated otherwise in class. Late assignments will only be accepted up until the chapter test for that assignment. If there are any other issues, students will need to come see me individually.

AP EXAM DATE
Tuesday, May 7, 2024