

AP[®] Statistics



Teacher:
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Course Information The course follows the five units outlined in the fall 2026 Course and Exam Description (CED). Throughout each unit, the four Statistical Practices are emphasized: Practice 1: Formulate Questions; Practice 2: Collect Data; Practice 3: Analyze Data; Practice 4: Interpret Results. Important components of the course will include the use of technology, projects and laboratories, cooperative group problem-solving, and writing, as a part of concept-oriented instruction and assessment.

Technology

- All students have access to a TI-84 graphing calculator. Students will use the calculator regularly throughout the year to construct plots, to calculate probability, to find the least-squares regression line to construct confidence intervals, and to perform tests of significance. The textbook presents computer output from Minitab that students are required to understand and interpret in order to answer the homework questions. Students will be issued their own *TI-84 Plus graphing calculator*, for which they will be held financially responsible if lost or damaged. They will use the calculator in class, at home, and on the AP exam.
- Desmos software (freeware)
- Released AP questions are used extensively throughout the course
- Personal Progress Checks are used as formative assessments within each unit
- Applets such as Stapplet.com lead students through a process to help them understand a concept

Primary Textbook Starnes and Tabor. *The Practice of Statistics*, 6th edition.

The textbook is an excellent resource, and students will be expected to read through each chapter thoroughly as we progress through the semester. Normally, students are expected to have each chapter read with notes taken on important concepts, main ideas, definitions and terms before the day that we will formally talk about the chapter in class.

Supplementary Resources

- Math Medic, by Wilcox. 2026.
- Skew the Script, by Young-Saver. 2026.

Materials: Each student should bring the following items to class daily:

- Three-ring binder
- Paper, Graph Paper, Pencil
- Graphing calculator (A TI-84 Plus will be issued to you but is recommended that you purchase your own.)
- School issued device that can access Canvas and AP Classroom

Course Content

Unit 1: Exploring One-Variable Data and Collecting Data
Unit 2: Probability, Random Variables, and Probability Distributions
Unit 3: Inference for Categorical Data: Proportions
Unit 4: Inference for Quantitative Data: Means
Unit 5: Regression Analysis

Grading Procedures

Major Assessments 45%
Minor Assessments 20%
Daily Assignments 15%
Final Assessment 20%

This course includes a cumulative final exam at the end of each semester.

Students and Parents are responsible for monitoring progress and grades on Infinite Campus.

Homework will be checked randomly and graded for completion. Homework must be done completely and legibly, on loose-leaf paper.

In the event of an anticipated absence or NI, it is the student's responsibility to ask for notes or make-up work in advance, so he/she does not fall behind.

Tests and Quizzes will resemble the AP Exam and will include multiple choice and free response questions. They will be graded in the same manner as the AP Exam and will be timed accordingly.

This course will have a full-length cumulative mock College Board exam.

Expectation of Accountability -Advanced Placement Statistics is a difficult course for several reasons and requires a great deal of studying outside of class. This course moves extremely fast. We will cover 900+ pages of material before spring break. It is essential that students complete all assignments on time and complete assigned readings to be successful. Students must study and practice regularly. I work hard to provide resources and opportunities for students to receive additional help and remediation to ensure content mastery. While I can strongly encourage students to take advantage of these opportunities, it is the student's responsibility to take full advantage of them.

Tutoring Availability – Monday and Wednesday 3:00-3:30.

Bathroom Policy - Students are expected to use the restroom in between classes. Passes will not be issued during instructional time.

Chrome book -All students are issued a district-provided chrome book for instructional purposes, student engagement, and student learning. Chrome book use is at the direction and discretion of the classroom teacher.

AP EXAM! Students who are enrolled in the course are expected to take the AP Exam on May 11, 2027.

AP Exam timeline:

- ✓ 8.21.26– Deadline for students to electronically join all AP classes on College Board website (APcentral.collegeboard.org). *Help line for students and parents 1-888-225-5427
- ✓ 10.23.26 – Deadline for students to register for AP exams on the College Board website.

AP Fees

AP Exams have a fee. Fee amount and due date will be announced at a later date.

Exams ordered after ordering deadline:

- \$40 fee per exam **regardless of free and reduced lunch/STEM status.**

Cancel or fail to take AP exam after ordering deadline:

- \$40 fee per exam **regardless of free and reduced lunch/STEM status.**

Apptegy

This year, we will use Apptegy Rooms to share class announcements, important updates, and reminders, as well as communicate with families. Please log in using the information provided by the school and enable notifications so you don't miss important information.

Canvas

To encourage blended learning, online assignments will be posted weekly through Canvas. Students should be familiar with how to navigate the online platform, communicate with their teacher, and submit assignments on time. If there are technology limitations, please notify the teacher. Canvas can be accessed through students SSO Portal login.

Advanced Placement Statistics Syllabus

Murkerson 2026-2027

I understand that I, as an advanced placement student, am responsible for registering online for my exams. Failure to do so will mean that I am unable to participate in AP testing for this course during the current school year.

The school is responsible for meeting College Board deadlines regarding testing registration. Once I have chosen to test/not test and submitted my registration through the College Board website, I am responsible for any fees incurred should I later change my decision or change my course registration.

I have read the syllabus for Advanced Placement Statistics and I understand its contents:

Parent/Guardian (print name)

Parent/Guardian signature

Date

Parent/Guardian e-mail

Cell Phone #

Alternate Daytime Phone #

Student (print name)

Class Period

Student signature

Date

Student e-mail