



AP Statistics

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Conference Period: 5th Period

Tutoring Opportunities: Monday, Wednesday, Thursday @ 8:30 am; Monday -Thursday first 20 minutes of 3rd period lunch

Class Materials:

- The Practice of Statistics, 5th Edition
 - Online access available: Instructions will be given the first week of school
- Strive for a Five Workbook
- Materials
 - Pencils
 - Highlighter
 - Folder or binder
 - Notebook Paper
 - Dry Erase Markers
 - A box of tissues
- Digital Tools: AP Classroom (join code: WRJDMZ) and Canvas. Access to Canvas and Office365 tools is available to students through our [Single Sign-on Portal \(SSO\)](#). Students receive their SSO login during enrollment.
- TI – 84 calculator (provided for in-class use only)

Course Description:

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

Course Goals:

Students who complete this course successfully will be able to:

- Describe patterns and departures from patterns
- Plan and conduct a study
- Explore random phenomena using probability and simulation
- Estimate population parameters and test hypotheses.

Student Evaluation:

The grading system for this course is as follows:

- Grade averaged 70% Major 30% Minor
- Major grades – tests (including District Common Assessments, six weeks assessments, projects, final essays, research papers, presentations); minimum three per six weeks
- Minor grades – quizzes, daily assignments, journals; minimum four per six weeks
- Semester exams will count 1/7 of the semester grade
- A letter system (S, N, U) is used to report a student's conduct based on proper/responsive conduct and citizenship

- Per Board Policy EIA (LOCAL), “The District shall permit a student who meets the criteria detailed in the grading guidelines a reasonable opportunity to redo an assignment or retake a test for which the student received a **failing** grade. This policy applies only to initial identified major grades and does not apply to daily assignments, quizzes, six-week test, and semester final examinations. Upon reteach and retest, the new test, project, etc. recorded will be a high score of 70%.

Assignments, exams, expectations outside of the classroom:

Students will be expected to come to class prepared to participate in labs and activities by reading the chapters of the textbook at home, in accordance with the course schedule. Students should take notes over the reading to be successful on assignments and exams. Students will given time to ask questions about the reading in class. Students will often need to complete assignments as homework.

Attendance/Tardy Policy/Make-Up Work:

- Students are considered tardy to class if they are not inside the classroom when the bell rings. Excessive tardiness will be addressed by campus administration. Repeated instances will result in more severe disciplinary action.
- If a student is absent, he/she will have the amount of time equal to days absent from class plus one day to complete all missed assignments. It is the student’s responsibility to get the makeup work.
- Late assignments: 1 day late is a max score of 80; 2 days late is a max score of 65; 3 days late is a max score of 55. No late work will be accepted after 3 days.
- If a student fails a test grade (major assignment), he/she may bring the failing grade up to a possible 70 by retaking the test. If make 70 and 84, you can bring your score up to an 85 by retaking the assignment. The retake assessment is at teacher discretion. School policy states this must be done within 3 days of the student receiving the failing score. Tests will be made up during tutorials, and the new test might not be the same as the original test.

Classroom Expectations:

In my class students are expected to be kind to others and only use encouraging words and appropriate language. Students are expected be on time and in his/her seat when the bell rings with all necessary materials. Students are also expected to keep cell phones put away during instruction, ask permission before you leave the classroom, keep your hands, feet and all other objects to yourself. Students are also encouraged to try his/her best.

Preliminary Schedule of Topics, Readings, and Assignments

- 1st Six Weeks: Designing Studies; Exploring & Understanding Data
- 2nd Six Weeks: The Normal Model; The Linear Model; Probability & Simulation
- 3rd Six Weeks: Randomness & Probability Models; Sampling Distributions
- 4th Six Weeks: Confidence Intervals; Hypothesis Testing
- 5th Six Weeks: Two Sample Inference; Chi Squared; More Regression
- 6th Six Weeks: AP Exam Review

Academic Integrity:

Academic integrity values the work of individuals regardless if it is another student’s work, a researcher, or author. The pursuit of learning requires each student to be responsible for his or her academic work. Academic dishonesty is not tolerated in our schools. Academic dishonesty, includes cheating, copying the work of another student, plagiarism, and unauthorized communication between students during an examination. The determination that a student has engaged in academic dishonesty shall be based on the judgment of the classroom teacher or other supervising professional employee and considers written materials, observation, or information from students. Students found to have engaged in academic dishonesty shall be subject to disciplinary and/or academic penalties. The teacher and campus administrator shall jointly determine such action.