

Pine Ridge High School

Teacher: Mr. Padilla



Course : AP Statistics (Syllabus)

Contact Info: Room 5-213

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Office Hours: none officially

Welcome to AP Statistics! Use statistics concepts to collect, analyze, and interpret data that answers an original inquiry. Use of Technology apps like Desmos and other apps. Solve real-world problems using analysis of data. Develop critical thinking of mathematics. This class will challenge you and force you to think about mathematics in a new way.

Texts: (online)

The Practice of Statistics, 5th edition. Starnes, Tabor, Yates, and Moore. 2015.

Advanced High School Statistics, 2nd edition. Diez. 2019

Technology: Charged computer. Canvas, Google forms, Desmos, Microsoft, MS Teams, and handouts.

Supplies: Binder, loose binder paper, pencil, pens. (Notebook for each quarter may also be used.)

Helpful: TI-84 Calculator, but not required (TI 83 acceptable.). Color pencils.

Grading. (Online)

40% Formative. Quizzes and Homework. Independent Practice, Classwork, Bell-Ringers and discussion participation are the most common. I assess the learning of my students frequently in order to evaluate the effectiveness of instruction and plan for future instruction.

60 % Summative Tests

Summative: Tests, "Quest," and projects are the most common. These are essential to report card grading. Tests and quizzes may be timed as to make the testing fair to all.

Each 9-week grade will be 40% from the Formative category and 60% from the Summative category per the VCS grading policy. Assignments and quizzes will count in the Formative category and tests will count in the Summative category. There will be an assignment for each section we study worth one-point/(or a half-point each). Each unit will have a ten-point quiz about halfway through the unit and a second ten-point quiz at the end of the unit. The second quiz of each unit will be cumulative (covering the entire unit) and referred to as a "quest." A quest can be a quiz and/or a test. If a student does well on a quest, then the student can choose to take that grade for the quiz and for the test on that unit. If a student does not do well on a quest, then the student can choose to keep the score as a quiz only and retake the test later (allowing time for remediation). There will be at least three units and/or subunits tested each 9-week grading period. I might break some units (the unit on Hypothesis testing for example) into two subunits, as necessary. All assignments for a unit (or subunit) are due on the due date. The lowest grade on any quiz will be five points (out of ten).

Honor Code: Be Honest! If caught cheating/copying on a formative, you earn a zero. If you are caught cheating on a summative, you earn a zero until a replacement test is taken and you FORFEIT the RETAKE option and earn a referral.

Submission and Make-Up Policies: Assignments will consist of textbook problems, worksheets, mini projects, group activities, videos, reflections, and writing activities. Assignments are expected to be completed by the specified due date. Late assignments will be accepted after the due date for late or partial credit within 3 school days. All assignments not turned in will show as missing in the gradebook and will count as zero points.

If you are absent: ask a student first for any missed notes, refer to the agenda board to see if you need any additional materials. Check Canvas and a fair due date will be applied as a new due date.

Summative Make-Up: Must be done as soon as possible, must be before the next summative.

Retakes/Interventions: A remediation will be available for “quests” as tests. (Remediation must take place within the same quarter). Cut scores may be used as an intervention.

Rules:

- | | |
|-------------------------------------|---------------------------------|
| 1. Respect People and their objects | 2. Be Ready. On Time. (present) |
| 3. Follow Directions | 4. Do your best. |

Virtual Rules same as above. But additionally.

Camera on as one may be called on during class. Especially end of class. Students expected to be on computer, participate in a chat, question, or response may be required for students at home.

Policies and Procedures

This school year will be different from any other school year in memory. We will have students attending class both virtually and physically. Canvas will serve as a common interface for all students. Virtual students will join the class on Teams and must have their cameras turned on during class. I will be visible at the white board for most of class giving notes, leading discussions, and providing examples and practice. Students will be encouraged to ask questions or participate. On quiz or test days, students will have the entire period to complete the assessment. Virtual students are required to submit their work/answers electronically immediately at the end of the class period (exceptions do apply) as assigned.

Expectations:

1. Expect to pass the test. Get College credit.
2. Teamwork / Collaboration
3. Commitment to the class guidelines and academic rigor.

Outline and Alignment of materials	AP Exam	Weighting for MC
1 Exploring One-Variable Data -Chapters 1 and 2		12-15%
2 Exploring Two-Variable Data- Chapter 3		5-7%
3 Collecting Data- Chapter 4		12-15%
4 Probability, Random Variables, and Probability Distributions- Chapters 5 and 6		10-20%
5 Sampling Distributions -Chapter 7 plus first subsection of 10.1 and first subsection of 10.2		7-12%
6 Inference for Categorical Data: Proportions -Sections 8.1, 8.2, 9.1, 9.2, 10.1		12-15%
7 Inference for Quantitative Data: Means- Sections 8.3, 9.3, 10.2		10-18%
8 Inference for Categorical Data: -Chi-Square Chapter 11		2-5%
9 Inference for Quantitative Data: Slopes -Section 12.1		2-5%