

AP Statistics
Ms. Berg
Classroom Expectations and Syllabus
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A) Grading

100-90% -- A

89-80% -- B

79-70% -- C

69-60% -- D

59-0% -- F

There are two categories that will make up your quarter grades, Formative Assignments (10%) and Summative Assessments (90%).

B) Formative Assignments- 10% - This includes classwork, homework, bell ringers, check points, exit tickets, etc. Homework will be assigned daily. I expect students to attempt every problem assigned and give their best effort. Each day we will begin class with a bell ringer. Students will have a few minutes to work through the bell ringer on their own. As an entire class, we will go over the bell ringer problem(s). Students may also receive a grade for participation on work days and other in-class activities. In class points should be the easiest points you earn all semester! Be sure you are paying attention and participating!

C) Summative Assessments- 90% - This includes tests, quizzes, and projects. Students should expect at least one summative assessment per unit/chapter. Students may retake any summative assessments for full credit one time. Preparedness for the second, more rigorous, assessment will be at the teacher's discretion and may include additional practice session(s) outside of class time. Retakes must be taken outside of class and scheduled with the teacher and completed before the end of the semester. Retake scores will replace the original test score.

D) Semester Grades- Semester exams will be required for both semesters. Semester test will be counted as 20% towards your semester grade and each quarter grade will count as 40% towards your semester grade.

E) Make-Up and Late Work- It is your responsibility to determine what you have missed (homework, tests, quizzes, and/or class notes). Please check Moodle for missed work. All work will be posted on Moodle and will be listed on the weekly agenda, there should be no excuse for not knowing what you missed. If absent, you will be given as many days as you were absent plus one day to turn in missed homework for full credit. After the allotted make up days, homework will be accepted for half-credit until the test day for that unit. After the test, no homework will be accepted from that unit. Test make-ups must be scheduled with me.

F) Supplies- Suggested supplies for class: graphing calculator (Texas Instruments calculators are preferred but not required), your Chromebook/other device, graph paper, loose leaf notebook paper, homework folder and 3 ring binder.

G) General Classroom Expectations
"Be Responsible!"

1. Be on time and prepared for class every day. I expect that you come to class everyday ready to learn with a pencil, notes, your assignment, a calculator, and a Chromebook/other device.
2. Be sure to check Moodle and Teams frequently throughout the week for updates and to be sure you are completing all assigned work.

3. I encourage you to work with others on assignments. That being said, I expect all your work to be your own. You will not learn from copying someone else's work or copying from the Internet. Take pride in your own work. I have a zero tolerance policy for cheating. If you are caught cheating, you will receive a zero for that assignment, test, or quiz and your parents will be contacted.

"Be Involved!"

4. Be present in class. I expect you to be focused on what we are working on in class, not homework for another class or talking to your classmates. Only one student will be allowed out of the room at a time (unless it is an emergency). At the end of the period, I will dismiss you from class, not the bell. Students will also be expected to participate in cleaning/sanitizing at the end of the period.

5. Ask questions! And come see me before or after school if you need help! Or contact me anytime via email or teams!

6. Show all your work! I frequently give partial credit on assignments, quizzes, and tests for work shown (even when the final answer is incorrect).

7. Learning mathematics takes patience and practice! The assignments I give you are not just for a grade but to help you practice skills and understand concepts. I expect you to give your best effort on every assignment, quiz, and test. It is to your benefit to attempt every problem, even if you aren't sure if you are correct.

"Be Respectful!"

8. Be respectful! I do not tolerate profanity or disrespectful language. If you're not sure if something is appropriate, don't say it. Treat your classmates with respect. It is never acceptable to be disruptive and interfere with your classmate's education.

9. My policy is "Bell to bell, no cell!" Cellphones are not allowed, unless given permission otherwise. During class they are to be turned off and out of sight.

10. If you ever have any questions or concerns, please find a time to come talk to me or contact me through email or Teams! If class time does not allow, I am here before and after school every day. I also check my email and Teams throughout the day will answer as promptly as possible.

COURSE TOPICS: *Course schedule is subject to change based on the needs of the course.*

Quarter 1:

Unit 1: Exploring Data (Analyzing Categorical Data, Displaying Quantitative Data with Graphs, Displaying Quantitative Data with Numbers)

Unit 2: Modeling Distributions of Data (Describing Location in a Distribution, Density Curves and Normal Distributions)

Unit 3: Describing Relationships (Scatterplots and Correlation, Least-Squares Regression)

Unit 4: Designing Studies (Sampling and Surveys, Experiments, Using Studies Wisely)

Quarter 2:

Unit 5: Probability: What are the Chances? (Randomness, Probability, Simulation, Probability Rules, Conditional Probability and Independence)

Unit 6: Random Variables (Discrete and Continuous Random Variables, Transforming and Combining Random Variables, Binomial and Geometric Random Variables)

Unit 7: Sampling Distributions (What is a Sampling Distribution, Sample Proportions, Sample Means)

Quarter 3:

Unit 8: Estimating with Confidence (Confidence Intervals, Estimating a Population Proportion, Estimating a Population Mean)

Unit 9: Testing a Claim (Significance Tests, Tests about a Population Proportion, Tests about a Population Mean)

Unit 10: Comparing Two Proportions or Groups (Comparing Two Proportions, Comparing Two Means)

Quarter 4:

Unit 11: Inference for Distributions of Categorical Data (Chi-Square Tests for Goodness of Fit, Inference for Two-Way Tables)

Unit 12: More about Regression (Inference for Linear Regression, Transforming to Achieve Linearity)