

AP STATISTICS 2022-23  
CLASS EXPECTATIONS  
Mr. Griffin / Room D32  
**AP Classroom code: 7RGMMZ**  
**Google classroom code: qf56j3h**

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**Advanced Placement Statistics** will introduce students to concepts and tools for collecting, analyzing, and drawing conclusions from data. AP Statistics is for college credit; therefore, this is a rigorous course. Be prepared for mental challenges – be prepared to justify and interpret any conclusions in writing. As described by the College Board in their outline for AP Statistics, the course consists of three big ideas:

- **Variation and distribution:** The distribution of measures for individuals within a sample or population describes variation. The value of a statistic varies from sample to sample. How can we determine whether differences between measures represent random variation or meaningful distinctions? Statistical methods based on probabilistic reasoning provide the basis for shared understandings about variation and about the likelihood that variation between and among measures, samples, and populations is random and meaningful.
- **Patterns and uncertainty:** Statistical tools allow us to represent and describe patterns in data and to classify departures from patterns. Simulation and probabilistic reasoning allow us to anticipate patterns in data and to determine the likelihood of errors in inference.
- **Data-based predictions, decisions, and conclusions:** Data-based regression models describe relationships between variables and are a tool for making predictions for values of a response variable. Collecting data using random sampling or randomized experimental design means that findings may be generalized to the part of the population from which the selection was made. Statistical inference allows us to make data-based decisions.

The skills that we will need to explore these ideas fall into four categories:

- **Selecting statistical methods:** Select methods for collecting and/or analyzing data for statistical inference
- **Data analysis:** Describe patterns, trends, associations, and relationships in data.
- **Using probability and simulation:** Explore random phenomena
- **Statistical argumentation:** Develop an explanation or justify a conclusion using evidence from data, definitions, or statistical inference.

**Textbook:** The Practice of Statistics for the AP Exam, 6th edition, by Daren Starnes and Josh Tabor

**Suggested Grade Level:** 11-12

**Prerequisite:** Honors NC Math 3

**Materials:**

- A **notebook** should be kept throughout the course.
- A **TI-84 plus graphics calculator** will be used in this course.
- A **Chromebook** will be needed to access assignments.

**Grading:** For each quarter, your grade is calculated on these percentages:

Tests & Data Explorations . . . . .60 %  
Quizzes & Special Problems:. . . . . 30 %  
Daily Assignments: . . . . . 10 %

**Exam:**

The AP Statistics Exam will be given on Thursday, May 4, 2023 in accordance with AP guidelines. This is an afternoon exam.

**Credit:**

Credit for this class is weighted. One (1) point is added to the standard GPA for this course.

**Grading Scale:**

A	Superior	90-100
B	Good	80-89
C	Average	70-79
D	Poor	60-69
F	Failing	59 and below

**Daily assignments:**

Assignments are an integral part of success in this course. Each assignment is important and should be completed with the best effort possible. The ability to achieve a successful score on the AP Exam will increase substantially for students who complete assignments following this guidance.

**Attendance:**

Daily attendance will be kept in accordance with Currituck County Schools policy.

**AP Statistics 2022-23 Syllabus**

You may keep the syllabus for future reference. Please return this page signed and dated by Tuesday, August 30, 2022.

**STUDENT: I have read this syllabus, and understand it.**

**Student's Name:** \_\_\_\_\_

**Student's Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

**PARENT/GUARDIAN: I have read this syllabus, and understand it.**

Please indicate your preferred method of contact.

**Parent/Guardian Name:** \_\_\_\_\_

**Parent/Guardian Signature:** \_\_\_\_\_

**Parent/Guardian Phone number:** \_\_\_\_\_

**Parent/Guardian E-mail:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Below you may provide any other pertinent information that you feel would be relevant.