

## Mrs. Jacobsen-Brinkerhoff AP Statistics

**Room:** 213                      **Email:** sjacobsen@alpinedistrict.org  
**Class Website:** www.jacobsen-brinkerhoff.weebly.com

**COURSE DESCRIPTION:** The goals of the AP Statistics curriculum are to understand and use statistical methods to judiciously gather, represent, analyze, and interpret data. Students should be able to communicate effectively and use technology as they explore statistical processes, infer results, and synthesize conclusions. It is our sincere desire that with diligent and persistent effort, each student will gain the statistical insights and competencies necessary to be an informed and discerning user of data.

### **SUPPLY LIST: (these items should be brought to class everyday)**

- 1. Graphing calculator is required.** I recommend a TI-84. The school has calculators to rent if needed for \$20 that needs to be paid at the financial office.
2. Notebook paper
3. Pencil and eraser
4. Internet accessible device
5. 3-ring binder recommended

### **GRADING POLICY:**

**50% UNIT TESTS:** If you are gone for a school excused absence you need to talk with me before you leave. Missed tests must be completed before the next unit exam is given. If you are absent on the day of a review you are still required to take the test on the day it is given, unless prior arrangements are made. If you are taking the course online, you will need to come to class in-person to take the tests.

Test corrections are **REQUIRED**. After every test, you will correct the problems where you did not meet the standard, even if is only one question. Test retakes are **NOT** available.

**30% QUIZZES:** Quizzes are designed to help students take the time they need to prepare for the summative test. Students may retake quizzes after completing corrections to help them better understand the content. I would encourage any student scoring less than 80% on a quiz to do a retake to help them prepare for the unit test.

**20% HOMEWORK & READING:** Homework will be given daily, which includes daily reading. Assignment information can be found on the class website. All homework and reading must be completed before the unit test is given. It is your responsibility to be caught up on content by the time the exam is given, regardless of absences.

**EXTRA CREDIT:** There is one extra credit opportunity per term. This is through reading a statistics book or listening to a statistics podcast outlined in the extra credit document. This may only be done once per term and must be arranged with the teacher at least a week before the term ends.

**CHEATING:** If you are caught cheating at all you will receive an **automatic zero**. Use of a cell phone or other listening device during a formative or summative assessment is considered cheating. Copying someone else's homework is considered cheating. Work given a zero for cheating cannot be made up including tests.

**LETTER GRADE:** the letter grade is determined by a weighted average of items above

<b>A</b>	<b>85-100%</b>
<b>B</b>	<b>70-84.9%</b>

<b>C</b>	<b>55-69.9%</b>
<b>D</b>	<b>40-54.9%</b>
<b>F</b>	<b>below 40%</b>

**ATTENDANCE:** I support the school's attendance policy. Please see the student handbook for details.

**ADDITIONAL HELP:** I am available from 1:15-2:45 on Tuesdays and Thursdays to help students

**CANVAS:** Answer keys to all book work can be found on Canvas, as well as helpful videos and other links to resources. In addition to Canvas, information can be found on the class website: **www.jacobsen-brinkerhoff.weebly.com**.

**AP CLASSROOM:** Log in and create an account using the following code for our class. This is also where you will register for the AP test. Note that there are different codes for different periods!

### AP Statistics - A1

Teacher: Sarah Jacobsen



To enroll in this section online, sign into <https://myap.collegeboard.org> and enter the section join code

### AP Statistics - A3

Teacher: Sarah Jacobsen



To enroll in this section online, sign into <https://myap.collegeboard.org> and enter the section join code

### CLASSROOM POLICIES:

- Students are expected to follow all school policies regarding dress and behavior
- **Respect:** show respect for your classmates, teacher, and the classroom and always have a positive attitude
- **Responsibility:** come prepared with needed materials, complete all assignments on time, and always put forth effort
- Internet accessible devices are allowed for classroom use such as homework, projects, etc. Off task devices if used during class will be taken and can be retrieved at the end of the period.

**CONTACT INFORMATION:** If you have any questions or concerns, please feel free to contact me anytime. I do NOT regularly check my voicemails so the best method to reach me is by email at [sjacobsen@alpinedistrict.org](mailto:sjacobsen@alpinedistrict.org). If you would like to meet in person, please make an appointment with me.

**American Fork High School complies with the requirements of Title IX of the Education Amendments of 1972 and Title VI of the Civil Rights Act of 1964. Therefore, no student shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination on the basis of sex, race, color, national origin, religion, or disability.**

## Exam Date: May 13th 12 pm

### I. AP Statistics Exam Structure

<b>Section I: Multiple Choice</b> 40 multiple choice, each with 5 answer choices	90 Minutes	50% of exam score
<b>Section II: Free Response</b> 5 open-ended questions (12-13 minutes each) and 1 investigative task (25-30 minutes)	90 Minutes	50% of exam score

### II. AP Statistics Exam Scoring

**Section I Multiple Choice** your score is based only on the number of questions you answer correctly. So don't leave anything blank!

**Section II: Free Response** Each free response question is scored holistically on a 0-4 scale. The score categories represent different levels of quality in a student's response across two dimensions: statistical knowledge and communication.

4 Complete	Shows complete statistical understanding of the problem; Provides a clear, organized, complete explanation
3 Substantial	Shows substantial statistical understanding of the problem; Provides a fairly clear, and organized, almost complete explanation
2 Developing	Shows some statistical understanding of the problem; Provides somewhat clear, and organized, incomplete explanation
1 Minimal	Shows limited statistical understanding of the problem; Provides minimal or unclear explanation
0	Shows little to no statistical understanding of the problem; Provides no meaningful explanation

The scoring rubric for each free response question describes how the distinct parts or components of the question will be weighted in determining the holistic score. Each part or component is typically scored as Essentially Correct (E), Partially Correct (P), or Incorrect (I).

*Weighted Section I Score = Number of correct answers x 1.25*

*Weighted Section II Score = (sum of scores on Questions 1-5) x 1.875 + Question 6 score x 3.125*

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*Composite Score = Weighted Section I Score + Weighted Section II Score*

Composite scores (on a 100 point scale) are converted to AP scores (on a 1 to 5 scale) using cutoffs determined each year based on statistical analysis of overall student performance on the exam.

*Example 2012 Exam: 33 points earned a 2, 44 points earned a 3, 57 points earned a 4 and 70 points earned a 5.*

- III. Formulas and Tables———Provided on both sections of the exam  
IV. Calculators———Permitted on entire exam

**Exam Weighting for the Multiple-Choice Section of the AP Exam**

Units	Exam Weighting
<b>Unit 1:</b> Exploring One-Variable Data	<b>15–23%</b>
<b>Unit 2:</b> Exploring Two-Variable Data	<b>5–7%</b>
<b>Unit 3:</b> Collecting Data	<b>12–15%</b>
<b>Unit 4:</b> Probability, Random Variables, and Probability Distributions	<b>10–20%</b>
<b>Unit 5:</b> Sampling Distributions	<b>7–12%</b>
<b>Unit 6:</b> Inference for Categorical Data: Proportions	<b>12–15%</b>
<b>Unit 7:</b> Inference for Quantitative Data: Means	<b>10–18%</b>
<b>Unit 8:</b> Inference for Categorical Data: Chi-Square	<b>2–5%</b>
<b>Unit 9:</b> Inference for Quantitative Data: Slopes	<b>2–5%</b>

**Free Response Question Breakdown:**

- 1 multipart question with a primary focus on collecting data
- 1 multipart question with a primary focus on exploring data
- 1 multipart question with a primary focus on probability and sampling distributions
- 1 question with a primary focus on inference
- 1 question that combines 2 or more skill categories
- 1 investigative task that assesses multiple skill categories and content areas, focusing on the application of skills and content in new contexts or in non-routine ways

# COLLEGE BOARD ACCOUNT PERMISSION

**AP STATISTICS EXAM DATE: Wednesday, May 13, 2020**

**COST: \$94.00**

All students must create an account through the College Board Website in order to register for the exam and take part in the AP classroom. AP classroom is a new resource that provides students with Personal Progress Checks as well as AP exam questions to help them prepare throughout the year. The code to access these is found earlier in this document. This is where students will pay their deposit to take the AP test and this is where you will find the required Progress Checks before each test.

**Website:** [myap.collegeboard.org](http://myap.collegeboard.org)

**Permission:**

I give \_\_\_\_\_ permission to create a My AP account.

*Print Student Name*

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

*Signature*

## AP Statistics Calculator Policy

For AP Statistics, all students are REQUIRED to have a TI-84 or newer calculator. This is an excellent calculator with a powerful statistics package that we will learn in class and you can use on the AP test. Please bring your calculator to class daily.

Please indicate how you will get the calculator:

- I already own a TI-84 or newer calculator and I will use it in class
- I will arrange my own way to get a TI-84 or newer calculator
- Free Check-Out: I will check out one of Ms Jacobsen's calculators through her for free. If I don't return it at the end of the year, I understand that my student account will be CHARGED for the price of the calculator. The free check out is first come first serve so if they run out, you will have to rent it.
- Rental: I will rent a calculator from the library for \$20. If I don't return it at the end of the year, I understand that my student account will be CHARGED for the price of the calculator.

Student Name: \_\_\_\_\_

Student Signature: \_\_\_\_\_

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

Parent Signature: \_\_\_\_\_

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