

# Beaverton High School

## AP Statistics

Mrs. De Marre

Room 240

Welcome back to school! I am so happy you are in my class this year. Below I have outlined my classroom expectations, content for the class, homework & grading policy, materials list, and contact information. Please contact me with any questions!

### CLASSROOM RULES & EXPECTATIONS:

Laurence Sterne once said, "Respect for ourselves guides our morals; respect for others guides our manners." Respect in the classroom creates a positive learning environment. And in being respectful, **cell phones and iPods** are **not** permitted to be used in the classroom, except for when appropriate and applicable. They will be collected at the beginning of each class and used to take attendance. If your phone has not been turned in by the start of class, you will be marked absent. Being late or tardy to class is inexcusable. I show up on time and expect you to do the same.

AP Statistics is a course that is extremely rigorous. It includes essay responses to complicated word problems in which students need to decipher the appropriate method to solve the problem as well as explain their thinking. **It is expected that all students take the AP exam** scheduled for Thursday, May 16<sup>th</sup>, 2017, at 12:00 pm PT, to earn college credit. I expect hard work and dedication to the content and ask that you be responsible for your own learning. This class is a great opportunity to experience a post-high school learning environment.

### TOPIC OUTLINE FOR AP STATISTICS

Below are the four major topics discussed this year:

#### I. Exploring Data

- Constructing and interpreting graphical displays of distributions of univariate data
- Summarizing and comparing distributions of univariate data
- Exploring bivariate and categorical data

#### II. Sampling and Experimentation

- Planning and conducting surveys and experiments using appropriate methods of data collection
- Generalizability of result and types of conclusions that can be drawn from observational studies, experiments, and surveys

#### III. Anticipating Patterns

- Exploring random phenomena using probability and simulation
- Combining independent random variables
- The Normal distribution
- Sampling distributions

#### IV. Statistical Inference

- Estimating population parameters and testing hypotheses
- Tests of significance

These topics are the basis for student grades. The course is directly aligned with the AP Statistics test and the goal is to earn a score that is high enough to receive college credit.

### ATTENDANCE:

If you are absent from class, it is *your* responsibility to make up all work. This includes notes and homework. I will scan all of my notes and put them on a class website for you to access in the case that you are absent: **bhsapstats.weebly.com**. You are also welcome to visit me during Beaver Lodge for any help needed. If you are absent on a day that we have a quiz/test, you **MUST** email me **THAT DAY** or you will receive a zero.

### HOMEWORK:

Homework will be given often. Answers to homework assignments will be available the class after it is assigned. I expect homework to be completed by the next class so that reviewing it benefits you. I expect all high school students to be responsible enough to bring your work with you every day. I will be checking the homework daily and although it is not graded, it is used to determine if students can re-take a unit test.

## **GRADING & TESTS:**

There will be tests for all units that we will cover this year. Each test will be made up of two sections: a multiple choice section and a free response section. This mimics the format of the actual AP test. For each TEST, I am going to give students the ability to retake one or both parts of the tests that they feel they can improve on if they can show me the following items:

- Each homework assignment for that unit complete on its due date
- Corrections from the test that they want to improve (either multiple choice, free response, or both)

If students are able to provide these items, the student can retake one or both sections of the test for a brand new grade. For example, if in one section there were 5 questions and the first time they took the test they got a 2/5 and then they retook the test and got a 4/5, I would simply give the student the better of the two scores. There will be a retake date for each test. Quizzes cannot be retaken.

## **POINTS:**

Students grades will be broken into sections that include the following:

15%	Quizzes
60%	Tests
25%	Semester Exam/Final Project

## **GRADING:**

Each assignment, activity, quiz, or test will be directly aligned with one learning target (unit) and will receive an overall score between 1-4. In order for a student to be proficient in a learning target, they must have an average score of a 3. Here is a rough idea of what the rubric looks for a 1-4:

<b>4 – Highly Proficient</b>	<b>3 – Proficient</b>	<b>2 – Nearing Proficiency</b>	<b>1 – Working Towards Proficiency</b>
Student shows a higher level of thinking in addition to knowing the supporting targets	Student knows all of the supporting targets of the long term learning target	Students might have an understanding of some of the supporting targets but not all of them	Student needs additional instruction/practice to gain knowledge about most of the supporting targets

At the end of the first semester, I will give you a final exam that includes all learning targets (units) for that semester. During second semester, you will take your final exam (just before the AP exam) that will include ALL learning targets (units) for the entire year. It is important to do well both on your unit exams AND the final exams. Your final grade is ultimately up to teacher discretion/summary judgement.

## **MATERIALS:**

I am going to be prepared to teach you every day, so I expect that you will come to class prepared to learn every day. In doing so, you need to have the following materials:

- 3-ring binder (for guided notes, worksheets, tests/quizzes) – THIS MUST BE A MATH-ONLY BINDER
- Notebook paper (for handwritten notes)
- PENCILS/writing utensils
- Calculator! If you do not have one, you can check one out from the library for the entire year (if there are some left). I highly recommend a TI 84 Plus CE as it performs all of the functions needed throughout the year. If possible, I would suggest purchasing your own so that you can use it in future math classes as well. You will be able to use this calculator on the AP exam and it is a good idea to practice using it throughout the year.
- **You will receive a textbook for reading/homework at home, but I have a few classroom copies. I will let you know on the days that I expect you to bring your textbook.**

If getting supplies is a problem, let me know so I can help get some for you.

## **HOW TO CONTACT ME:**

The best way to get ahold of me is to e-mail me at [hailey\\_demarre@beaverton.k12.or.us](mailto:hailey_demarre@beaverton.k12.or.us). I will do my best to respond to any emails within 24 hours. You can also contact me through the class website: [bhsapstats.weebly.com](http://bhsapstats.weebly.com) or through our classroom Remind service.