

Welcome to AP Statistics!

Dr. Julie Horton

My email: jhorton@psharvard.org

Policies and such:

Every day: Be prepared for class – bring your workbook, your notebook, calculator & something to write with every day. Please have your book in your locker so you can go get it if needed.

The classroom: Clean up after yourselves and don't mess with belongings that aren't yours.

Grades: Your term grade will include:

- Quizzes – Announced quizzes will be given almost weekly.
- Homework – Classwork problems will be assigned each day, with emphasis on quality not quantity. If they aren't finished in class, they'll become homework. I expect you to make your best effort to complete it and will check it randomly.
- Graded Packets/Assignments – Sometimes, instead of classwork, you will be given a packet or assignment to work on in class that will be collected/graded.
- Tests -- Since the AP Exam is cumulative, there will be several tests throughout the year to help you practice being responsible for all of the material we will cover.
- Projects/Activities – Projects and activities will be assigned throughout the year so that you can apply your statistical knowledge.

Each assignment is worth a certain number of points. At the end of the term, I add up the number of points you have earned and divide by the total number of points possible. Then I convert this to a letter grade using the scale in the student handbook. (Hint: you can do this yourself at any point in the term.) This grade may be increased/decreased by a +/- for an consistent positive class participation and attitude.

Notebook: You will keep a notebook. Its contents should include

- ✓ packets & assignments
- ✓ handouts & class notes (if I write it on the board, you should write it down)
- ✓ other homework & worked problems
- ✓ quizzes & tests (with corrections)



Reading: (Did she just say "Reading"?!?) The workbook we will be using is specifically designed to prepare you for the AP Exam and thus is an invaluable resource in learning the material. Your homework or classwork may include reading sections of either, both to enhance your understanding of the material and to highlight skills and information that are particularly critical from an AP perspective.

Learn from your mistakes.
effort matters. *Think!*
Own your learning.
Laugh! tell the truth.
Say please & thank you.
Be Respectful.
Clean up after yourself.
ASK Be You!
for what you need. Nicest wins.
Everyone has a super power.
NO WHINING! *Take risks.*

Final exam: The AP Exam will be given at noon on **Thursday, May 11, 2017**. Taking this exam is optional. There will be a cumulative exam that counts in your fourth quarter grade given around the time of the AP Exam. *A final exam will be given to everyone during the Senior exam period.* This exam will also count in your fourth quarter grade.

Extra help: My classes are planned so that you will have time to ask for extra help *during class*, but if you need more time, I am usually available to provide extra help after school. Check with me to make sure I don't have any prior obligations. After school extra help does not replace classroom instruction.

Absence: If you miss a class, you are responsible for the work and material you miss. The best thing to do first is to check with a classmate to get the notes and homework and to see me for handouts. (School policy: If you miss an exam, you are required to take the exam on your first day back. Exceptions may be made for students with extended absences.)

Extra credit: There may be opportunities for extra credit during the year. These bonus grades will not make up for consistent effort throughout the term.

Progress reports: Quizzes & assignments will be graded & returned, and homework will be reviewed, so you will have continual feedback on your progress. I will make every effort to keep your PowerSchool account up to date. Please see me at any time if you are concerned about your grade.

Electronic Devices: Most electronic devices, other than calculators, are unnecessary in class. The notable exception may be using phones to take pictures of data or notes. I will ask you to put away any electronic device (phone, iPad, laptop, etc.) being used for any purpose unrelated to class. However, you may listen to music quietly and independently while working on your own.

Webpage: There is a class webpage, including a Google Calendar, accessible from the Teacher Pages of the Bromfield School website.

PS: Follow us on Twitter: Doc_H_Bromfield

AP Statistics

Required Textbook: The Practice of Statistics, Yates, Moore & Starnes, 3rd edition, 2007, W.H. Freeman and Company.

Required Workbook: Barron's AP Statistics, Sternstein, 8th edition, 2015, Barron's Educational Series, Inc.

Course Description & Objectives:

The purpose of this course is to introduce the primary concepts and tools for collecting, analyzing, and drawing conclusions from data.

The course will focus on four main areas:

- **Exploring data**
- **Planning and conducting a study (sampling and experimentation)**
- **Anticipating patterns using probability and simulation**
- **Inferring from statistics**

Within these concept areas, we have additional objectives:

- *Utilizing technology*
The course will teach you how to use, and thus require the use of, a graphing calculator (i.e. the **TI-83**), computer output, and a computer.
- *Learning via activities*
- *Communicating*
The course also teaches you how to communicate mathematics effectively both orally and in writing. Writing full and complete responses using appropriate justifications is a vital part of attaining statistical proficiency; this will be stressed on all homework assignments, problem sets, activity write-ups, projects, investigations, quizzes and tests.
- *Connecting concepts*
- *Preparing specifically for the AP exam*
We will use Advanced Placement Exam Open Response and Multiple Choice Questions, Self-Created Worksheets, Barron's How to Prepare for the AP Statistics Exam, and Problem Sets, Activities, Worksheets, and Materials from a full-week AP Statistics College Board Institute.