

CVHS AP STATISTICS SYLLABUS 2024-2025

Welcome to AP Statistics! AP Statistics is an exciting course dealing with collecting, analyzing, and drawing conclusions from data. The course is broken into four main conceptual themes:

1. Sampling and Experimentation: Planning and conducting a study
2. Exploring Data: Describing patterns and departures from patterns
3. Anticipating Patterns: Exploring random phenomena using probability and simulation
4. Statistical Inference: Estimating population parameters and testing hypotheses

We will discuss all of these themes throughout the course, sometimes individually and sometimes in combination. The course will build throughout the year until we are using all of the concepts together to discuss real world data. The course is broken into large units with each chapter in the text representing a smaller chunk of that unit.

Course Materials

Primary Textbook

Stats: Modeling the World, 6th Edition by Bock, Bullard, Velleman, and DeVeaux

This is an excellent textbook containing the entire AP Statistics curriculum. The book is not like any other Math textbook you have ever read; it is easy to read and very descriptive. You should read every chapter in the book and you will have many problem assignments from the online homework system connected to the book. It is extremely important to read the sections we are working on before coming to class to help you learn the concepts. This is an online textbook – you will be given instructions to gain access in class. You will log in at www.mymathlabforschool.com

AP Classroom

All students will register for AP Classroom sometime during the 2nd week of school. Some assignments will be posted in AP Classroom throughout the year.

TI-84 Plus graphing Calculators

The entire course makes use of a graphing calculator with a Statistics package. You will use these on homework, quizzes, and tests. Calculators will be provided in class, but they cannot be taken home. It would be very helpful to have your own calculator to use on homework assignments. Use of the calculator is crucial to success on many in class assessments and on the AP Exam, so students are expected to make themselves comfortable with the calculator.

Math department policy about calculator usage on tests and quizzes:

For any assessment on which use of a calculator is allowed, **all students must use school provided calculators only**. Students may NOT use a personal calculator on an assessment.

Canvas:

All assignment information and due dates will be posted on Canvas, so you can always visit Canvas to double check when homework is due and when assessments are scheduled. At the end of each day a key for that day's guided notes from class will be posted on Canvas, so if you are absent you can quickly find what you missed in class.

Binder:

All students are **required** to have a 3-ring binder. Every piece of paper I give you (daily guided notes, activity guides, free response questions, etc) will have holes pre-punched in it so that you can keep an organized binder of everything we do in class. Keeping an organized binder is important so that you can review your notes before assessments and review your notes and old assessments before the AP Exam. Former students have told me that their AP Statistics notes have been helpful in college classes too!

Make-up Assessments:

If you are absent on the day of an assessment, you must make up the test or quiz DURING LUNCH or BEFORE SCHOOL (7:30AM-8:20AM). You must schedule this retake from Mr. Barnes in advance.

Retake Policy:

Each student may retake up to 2 major grades on which they received a failing grade each grading cycle. The retake will be an alternate assessment on the same content and the highest grade to be entered into the grade book for a retake is 70. Students must request the retake by emailing Mr. Barnes within 24 hour of receiving the assessment back. Mr. Barnes will then schedule a time during lunch for you to complete your retake. You are strongly encouraged to go over your original assessment with Mr. Barnes before completing a retake.

Late Work Policy:

A homework assignment may be submitted 1 day late for a maximum grade of a 70.

Grading Policy:

Grades will be computed using a weighted grading scale. The number of assignments in each category may vary from cycle to cycle, but the final grade will always be computed in the same manner:

Major Grades	80%
Minor Grades	20%

Major Grades:

- Free response assessments
- Multiple choice assessments

Minor Grades:

- Homework assigned through the online homework system associated with the textbook. Each assignment will have a specified due date and time in the assignment.
- Homework assigned from a class handout.
- Classwork checked for a grade (occasionally)

Cheating:

The Carnegie Vanguard Honor Code states that students may not give or receive unauthorized aid on any assignment or exam. In AP Statistics, this depends on the type of assignment.

- For homework assignments students may work together to discuss and answer problems, consult their textbook or other resource, and ask other people (such as teachers or tutors) for help. Cheating on a homework assignment is defined as copying the answers to that assignment from another student or resource.
- For assessments, students may use an AP Statistics formula chart and a CVHS calculator, but nothing else. Cheating on a free response or multiple choice assessment is defined as copying from another student or an outside source, using a phone or computer to access any materials related to the assessment, or discussing questions from the assessment with other students before all students have completed the assessment.

If a student cheats on an assignment, they will receive a 0 for the grade on that assignment (with no opportunity to retake the assignment), their parent/guardian will be contacted, and they will be referred to the administration.

Extra Help:

Mr. Barnes is available during SSEP and lunch most days to answer questions or provide extra help. Any student is welcome to come in. If you wish to come in for help, please make an appointment at least 24 hours in advance so Mr. Barnes can plan accordingly. It is Mr. Barnes' goal that every student be successful in AP Statistics, so don't be shy if you have questions or need help. You can also contact him by email at jbarnes2@houstonisd.org.