

Hello Seniors,

Welcome to AP Statistics. This course will be unlike any other math class you have ever taken before! Before taking this course you will need to be competent in basic algebra, be familiar with basic statistical plots (box-and-whiskers plots, scatter plots, bar graphs, histograms, circle (pie) graphs, and stem-and-leaf plots), and you must be willing to explain your answers, not just simply get the correct answer. In this class you will learn to describe and analyze sets of data and use that analysis to draw conclusions about the situations that gave that data.

For this class, it is not required, but recommended, that students purchase a graphing calculator that you can have at home and in this class on a daily basis. A Texas Instruments TI-84 is the calculator that will be used in this course. You may already own or choose to buy a different brand (Casio, HP, etc), but I will only be teaching how to use a TI calculator. Whatever calculator you buy, if you choose to buy one, make sure it is capable of performing the following: Statistical plots - box and whisker, modified box and whisker, histogram, scatter plot Regression equations and correlation statistics Distribution & probability density functions - normal, binomial, and geometric Statistical tests - t, z, c2, and confidence intervals. These are functions that can be easily googled.

Every student in this class will be required to complete a summer assignment, which will be completed through Google Classroom and Khan Academy. Before the end of the school year, I would like you to join the classes I have set up in Google Classroom and Khan Academy. Follow the steps below.

Google Classroom

- 1.) Go to <http://classroom.google.com> and log in under your school username (two initials and 5-digit ID number).
- 2.) In the top right-hand corner, click the + and choose "Join Class"
- 3.) Input the class code: [5x8jyjg](#)
- 4.) Read the introduction posted under "Class Materials"

Khan Academy

- 1.) Go to: <https://www.khanacademy.org/join/U4NSJSUF>
- 2.) If you don't already have an account, press "Create a new account". Enter your date of birth, then sign up using Google, your school email. (i.e. John Smith ID#12345 is js12345@gnbvt.edu)
- 3.) Enter your grade and subject. Now you're ready to start learning!

In addition to joining both the Google Classroom and Khan Academy, please also email me to let me know you have signed up or if there are any issues.

Please email matthew.mitchell@gnbvt.edu with the following subject line: your name - AP Statistics. In the body of the email, let me know if you have signed into both Google Classroom and Khan Academy or if you are having any issues with one or both of them.

See you next school year.

-Mr. Mitchell