



KEEP  
CALM  
AND  
TRUST  
STATISTICS

# Welcome to Probability and Statistics 2017-2018

Mrs. Cecelia Mayer

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Extra help can **be scheduled** before school or my prep, 4G.

## Expectations

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Welcome to probability and statistics. I cannot articulate well enough how much I love this class, from it's content, it's inquiry, the opportunity for discussion...it encourages THINKING! Personally, I arrive to school ready to support and guide you as we enjoy this subject, but ultimately, this class is as worthwhile as you decide to make it. It is expected that you arrive prepared and on-time, participate in and out of class, contribute to the dialogue with questions and insights, communicate what you do and do not understand both in and out of class, complete all assignments honestly, and take responsibility of your progress.

As it is in all my classes, even more important than the academic expectations is the expectation of good citizenry. Respectful, compassionate, and cooperative interactions with each other (and the school's property) is a norm here in C-7. Further, only turn in work that you are proud of, approach challenges with an open mind, and don't let the fear of making "mistakes" hold you back from learning.

## Course Goals

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By the end of the course, my goal is for students to be impacted by data such that it may change how they think about, see, and approach the world and the decisions they make. Specifically, students will organize, display, and numerically summarize data. Students will gather data using a variety of sampling techniques and simulations. Using these results, students will articulate, form and defend conclusions, and make predictions about populations.

## Class Supplies

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What you need:

- The *COVERED* textbook, *The Practice of Statistics*, fifth edition, by Starnes, Tabor, Yates and Moore.
- Math binder, with minimal labeled dividers (Notes Handouts, Homework handouts, SuperImportant Handouts).
- Something to write with.
- Calculator: Our class has a set of TI-84 here, but the holidays are coming, and if you're planning on continuing your education post THS and you don't already, it is recommended that you have your own graphing calculator (TI-83+ or TI-84 are frequently used models).
- Power School login: use it for the most updated version of your grade.
- **Gmail! Check it!**

What you do NOT need:

- Your cell phone: upon walking into class every day, put your cell phone into its "cubby"; it is how I take roll, and if it's not there, then you're not there.
- Food, gum, and other-than-water drinks (unless outlined by an individual education plan).

## Grading Policy

Your grade is weighted as follows:

- 50%: Unit Chapter Tests
- 15%: Homework/classwork/participation
- 20%: Quizzes
- 15%: Final

Homework is collected at the beginning of every class period. Full credit is given to homework assignments that are completed and on time. Completed homework turned in late is given half credit, with a deadline of the unit's end. If you are absent, you are responsible for getting any notes/handouts; I using my class webpage to post any handouts, and Power School is regularly used to record assignments.

A test assesses what you know, so make sure to know what we're talking about in class. However, there are test corrections; completed within a week after the test is returned to you, if you earn a grade less than a 70%, test corrections are done on your own time, and you have the potential to earn back half the points missed, with a minimum test bump to 60% and a max of 79%.

THS Grading Scale			
A 92.00% to 100.00%	B+ 88.00% to 89.99%	C+ 78.00% to 79.99%	D 60% to 69.99%
A- 90.00% to 91.99%	B 82.00% to 87.99%	C 72.00% to 77.99%	F 0% to 59.99%
	B 80.00% to 81.99%	C - 70.00% to 71.99%	

## Course Outline

<b>Semester One</b> August 22, 2017 - December 21, 2017	<b>Semester Two</b> January 8, 2018 – June 7, 2018
Chapter 1: <i>Analyzing one-variable data</i> Chapter 2: <i>Analyzing two-variable data</i> Chapter 3: <i>Collecting Data</i> Chapter 4: <i>Probability</i> Chapter 5A: <i>Discrete Random</i>	Chapter 5A: <i>Continuous Random Variables</i> Chapter 6: <i>Sampling Distributions</i> Chapter 7: <i>Estimating a Parameter</i> Chapter 8: <i>Testing a Claim</i> Chapter 9: <i>Comparing Two Populations</i> Final Project
<b>Semester One Final</b> <b>2G:</b> Monday, December 18, 11:15 am <b>3G:</b> Wednesday, December 20, 9:15 am	<b>Semester Two Final</b> <b>2G:</b> Monday, June 4, 11:15 am <b>3G:</b> Wednesday, June 6, 9:15 am

I am very much looking forward to sharing my genuine interest in statistics with you. It is unlike any "math" you've since encountered, with many not even considering it "math." It teaches analytical, critical thinking skills that can potentially affect the way you interpret information. Please remember that I am indeed on your side, and I am excited to help you succeed.

*I have read and understand the class rules and expectations outlined in the class syllabus.*

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Student Signature

Parent Signature (include email please)