



Welcome to Ms. Campe’s Math Class

Arvada West High School

2020-2021 Syllabus



Welcome to my 100% Remote Courses: Algebra 1, Algebra 2, Algebra 2 Honors, Probability & Statistics

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(All course work, live classes online, and communication is through Schoology and email. See above link for info.)

*If Schoology is down, check your school email for directions please!

Course Objectives/Description:

<p><u>Algebra 1</u> Reasoning with Equations and Inequalities Modeling with Linear Functions Quadratics and Polynomials Modeling with Exponential Functions Descriptive Statistics Analyzing Functions Algebraic Reasoning with Geometric Concepts</p>	<p><u>Algebra 2 Regular and Honors</u> Functions, Transformations, and Systems Quadratics Functions (including Complex Numbers Polynomials and Polynomial Functions Rational Functions Exponential and Logarithmic Functions Trigonometric Ratios and Functions Rational Exponents and Radical Functions Probability, Statistics, and Data</p>
<p><u>Inferential Probability and Statistics</u> Attend to precision in processes and analysis Identify appropriate approaches to gather data Reasoning behind ethical experiments and studies Identify bias in studies and reports Analyze and interpret a normal distribution Interpret data, make inferences and justifications Represent data using graphical representations Write conclusions based on the analysis of data Understand and apply probability rules Develop and conduct simulations Write hypotheses and test errors and power Develop and interpret linear regression models Interpret confidence intervals Calculate and interpret p-values</p>	<p>Links: Jefferson County Standards Colorado State Standards U.S. National Standards All rules of the Conduct Code will be enforced.</p>

Grading Policy, Weighted Grade Percents, and Assessments:

Grading Policy – A 90% - 100%, B 80% - 89%, C 70% - 79%, D 60% - 69%, F 59% and lower

Algebra 2 Regular and Honors –

Final Exam 10% of grade, Learning Target Assessments 70%, PPP (Participation, Practice, and Perseverance) 20%

Algebra 1 –

Final Exam 10% of grade, Learning Target Assessments 65%, PPP (Participation, Practice, and Perseverance) 25%

Inferential Probability and Statistics –

Learning Target Assessments (including the final exam) 80%, PPP (Participation, Practice, and Perseverance) 20%

Since being successful at math is a work in progress, you can make corrections/redo/make-up anything and everything in my class. Please do not take advantage of this “growth mindset,” but use corrections and discussing errors with teachers and peers as an important part of your learning experience. The unit test is your last chance to demonstrate your knowledge to me for that unit - do everything you can to prepare yourself and practice for your test day.

Specific Supplies needed for this class:

1. Notebook: 3-ring math binder, loose-leaf notebook paper or a spiral for each semester , dividers for notebook
2. ***Graphing Calculator*** A graphing calculator is required for every math class!! The best option is a hand held Texas Instrument TI-83, TI-83 Plus, TI-84, or TI-84+. (Do Not purchase a CASIO or other TIs higher than 84 as we are not trained in these and the smartboards are set for TI-84). You can also use a TI simulator on a chromebook or Desmos, but be cautious that you can not use a chromebook during SAT.

Classroom Set-Up and Extra Help:

In addition to note-taking the coursework in Schoology, investigations, group inquiry tasks, practice, and projects will also be included. The Awest 1:World will be implemented so access to technology is necessary for this course. Please communicate with your teacher if this is an issue, we can help! Students will be responsible to check the Schoology website for notes, videos, live class meetings, or other important information for the class. There are numerous ways that I will use technology during the class. The internet, laptops, document camera, clickers, graphing calculators, and cell phones will be used during class lessons. There will be consequences and/or suspensions if students are being inappropriate or misusing any device. You can expect some kind of practice assignment every class. I am available for extra help and small groups during office hours and connection times. Please reference the bell schedule for these times. I am available thru email and we can make an appointment if needed. I am happy to help! I am excited to get to know you and help you learn math, let's have a great semester!