



## Course Syllabus AP Statistics

Franklin High School		2020-2021
<b>Course Overview</b>		
<b>NOTE:</b> For core classes, all elements of this section (except for name and contact information) are the same.		
Course Title: AP Statistics 1-2		
Instructor Name: Kelly Andrews Denney	Contact Info: kandrews@pps.net	
Grade Level(s): 11th and 12th grade		
Credit Type: (i.e. "science", "elective") math elective	# of credits per semester: 1 (.5 per quarter)	
Prerequisites (if applicable): Completion of core math classes (Algebra 1-2, Geometry, Algebra 3-4)		
<p>General Course Description: AP Statistics is the high school equivalent of a one semester, introductory college statistics course. In this course, students will develop strategies for collecting, organizing, analyzing, and drawing conclusions from data. Students design and tabulate results from surveys and experiments. Probability and simulations aid students in constructing models for chance phenomena. Sampling distributions provide the logical structure for confidence intervals and hypothesis tests. Students use a TI-83/84 graphing calculator. To develop effective statistical communication skills, students are required to prepare frequent written analyses of real data, regular completion of write-ups of released AP<sup>®</sup> Statistics free-response problems (hereafter referred to as FRQ's) and use rubrics to self-score timed AP<sup>®</sup> Statistics FRQ's.</p>		
<p><u>Prioritized National/State Standards:</u> Because this is a college/AP level course, there are not state standards associated with this class. The content is based on Collegeboard recommendations.</p>		
<b>Course Details</b>		
<i>Learning Expectations</i>		
<p>Materials/Texts Students need the textbook Stats Modeling the World by Bock, Velleman, and DeVeaux TI-83/84 (equivalent or above) calculator (they can check one out from the school library if needed) Account in AP Classroom (through CollegeBoard)</p>		
<p>Course Content and Schedule: Unit 1- Exploring 1- Variable Data Unit 2- Exploring 2- Variable Data Unit 3- Gathering Data Unit 4- Probability Unit 5- Inference for proportions Unit 6- Inference for means Unit 7- Inference for counted data and linear regression Because of the schedule this year, students will complete both semesters within Semester 1. We will be covering approximately two chapters per week.</p>		
<p>Differentiation/accessibility strategies and supports (TAG, ELL, SpEd, other): Reading assignments will be accompanied by videos posted in Canvas. Students may test in alternative formats other than online if necessary. Tasks will be given individually and in groups to allow students many ways to learn and process material.</p>		



The text provides a range of difficulty practice for each chapter and students may choose alternative problems to those assigned if they would like.  
SpEd and ELL accommodations will be provided on a student-by-student basis.

Safety issues and requirements (if applicable):

Classroom norms and expectations:

Students attend synchronous classes and complete asynchronous work on time. During synchronous class, it is preferred (though not strictly required) that students keep their cameras on. Students are allowed to unmute if they ever have a question, and during breakout group time, they are expected to participate in discussions.

If students are unable to meet due dates for assignments, quizzes, or tests, or if they are not going to be in class on a synchronous day, they are expected to email the teacher.

#### *Evidence of Course Completion*

Assessment of Progress and Achievement:

Students will be given chapter quizzes, which may be taken individually or in groups (groups preferred for quick feedback), and will also be submitting questions about chapters in Canvas. Unit summative assessments may be given as tests (more often) or projects. Students will also have access to Progress Checks on AP Classroom.

Progress Reports/Report Cards (what a grade means):

Grades will be based on the following:

- 10% Asynchronous assignments
- 10% Chapter quizzes
- 80% Unit assessments

#### **Communication with Parent/Guardian**

Teacher will communicate through Synergy, Remind, and/or email. I may also be calling parents/guardians when necessary. Parents may contact me through my cell phone with urgent questions at 208-863-6535

#### **Personal Statement and other needed info**

Comprehensive Distance Learning will be a challenge for all of us, and particularly in an AP class, when there is so much to cover in such a short time. I will be as responsive as possible to students' needs, and because I have no knowledge about what specific topics will be on the AP exam, I will prepare students as thoroughly as possible. I will be teaching an AP Support class 2nd semester to prepare students for the AP exam, and recommend that to anyone who has room in their schedule. I'll be making the material from that class available to students who are planning to take the AP exam, but are unable to take the support class.

Students and families will be notified if changes are made to this syllabus. As I learn what works and doesn't work in this learning environment, changes will be made to best meet the needs of my students.