

AP STATISTICS SYLLABUS
Academic Year 2020-21
Julia R. Masterman Laboratory & Demonstration School

Instructor: Mrs. Stephanie Beqiri
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Text: The Practice of Statistics for AP (fifth edition) *Starnes, Yates, Moore*

DESCRIPTION: Advanced Placement Statistics is a non-calculus based introduction to statistics exposing students to four broad conceptual themes:

- exploring data, observing patterns and departures from patterns;
- planning a study, deciding what to measure and how to measure it;
- anticipating patterns in advance, introducing probability and simulation;
- statistical inference, confirming models for explanations of patterns.

Emphasis in this class will be placed on mathematical calculations, social and analytical analyses, and written expression. Assignments will reflect any one or more of these areas and will be graded accordingly.

REQUIREMENTS:

One Three-ring binder (line/graph paper, dividers)
TI-83/84 Calculator
Pencils with erasers
2 dry erase markers
Ruler

Wishlist: Milk and/or peanut M&M's (not seasonal) for hands on activities and labs.

EVALUATION: Grades are based on the School District of Philadelphia formula for the computation of mathematics grades and include homework, class work, current events, labs and class participation. However, the majority of the grade is based on tests, quizzes, and exams.

GRADING POLICY:

| | |
|--|-----|
| Home work: | 10% |
| Class work/Labs: | 20% |
| Tests | 40% |
| Performance Based Learning (Quiz, Current Events, Projects) | 30% |

ABSENCE/MAKE-UP WORK

In the event of an absence (sports dismissal etc.), you are responsible for finding out from a classmate or from me via email, what you missed in class. If homework was assigned, I expect you to do it and have it ready on your return to school.

Being absent one day before a test/quiz does not excuse a student from taking that test/quiz along with the rest of the class.

If you missed a test or quiz, you will be able to make it up on the scheduled make-up day (to be decided). The make-up day cannot be changed.

Homework that is submitted late will lose 30 points (out of 100) per each day late.

Of great impact in an Advance Placement course selection is the AP examination. It is expected that all students who take the AP course take the associated AP examination.

TENTATIVE TIMETABLE:

| <u>Topic/Text Coverage</u> | <u>Approximate Time Frame</u> |
|----------------------------|-------------------------------|
| Chapters 1 – 4 | Quarter One |
| Chapters 5 – 9 | Quarter Two |
| Midterm and Review | Quarter Two |
| Chapters 10 – 14 | Quarter Three |
| Preparation for AP Exam | Quarter Four |

AP EXAM

Thursday, May 13, 2021

The underlying pedagogical philosophy of this course involves the principles of scaffolding—that learning builds on what is already familiar and of metacognition—that awareness of the thinking process is a function of will; i.e., that talking yourself through a process or problem fosters understanding. You are expected to be honest and hard working, to seek help if you need it, to help other students who may need support, to respect the teacher and other members of class and, generally, to help make this a profitable learning experience for all.

Tutoring: I will be available for additional help during options and tutoring hours (TBD).

I HAVE READ AND UNDERSTAND THE AP STATISTICS COURSE SYLLABUS AND WILL WORK TO ACHIEVE POSITIVE OUTCOMES.

Student Signature

Date