

# AP Statistics 2022-2023

Green Block  
Wellesley High School, Room 443

**Instructor:** Mr. Eric P. Collins

**E-Mail:** collinse@wellesleyps.org

**Office Hours:** Mon.-Fri. 7:30 - 8:30 Other times by appointment after school or during math lab.

**Text:** The Practice of Statistics, by Yates, Moore, Tabor & Starnes, Copyright 2014, W.H. Freeman & Co.

**Course Outline:** Major Topics Covered (Order is subject to change)

- (1) Displaying Data and Distributions
- (2) Standard Deviation and Normal Distributions
- (3) Scatterplots, Regression, Correlation & Causation
- (4) Sampling, Experiment Design, & Statistical Inference
- (5) Probability Models
- (6) Random Variables with Binomial and Geometric Distributions
- (7) Sampling Distributions
- (8) Confidence Intervals & Tests of Significance
- (9) Inference for Distributions and Proportions
- (10) Inference for Two-Way Tables & Goodness of Fit
- (11) Inference for Regression

**Evaluation:** Each Term grade will be based upon the following

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|--------------------------------------|--|
| (1) Tests (cumulative in nature) 70% |  |
| (2) Quizzes 25%                      | Term 4 is 80% of the average of your three terms plus 20% of |
| (3) Homework 5%                      | review and the last chapter.                                 |

**Final Grade:** Each term accounts for 25% of your grade. The final exam is the AP Test. \*subject to change

**Special Notes:**

- (1) A graphing calculator will be permitted to work on homework and exams.
- (2) Homework is due at the beginning of class on the due date. Problem sets will be checked only if they are neat and legible. Late assignments will NOT be accepted for credit.
- (3) Feel free to work with your classmates on the homework assignments, but write up the solutions on your own. A paper with answers and no solutions will not be accepted.
- (4) Attendance at all classes is important and expected. Make-ups will be given only in the case of documented illness, emergency in the family, or an absence excused by me prior to the date.
- (5) If you complete all the homework assignments, attend class, ask questions, and study a minimum of one hour each day, you should pass! DON'T FALL BEHIND!!!!!!!!!!!!!!

## AP Statistics Supply List

1. A TI-84 or TI-84 Plus calculator. I can not stress this enough! You **MUST** have one of these types of calculators. We will NOT spend any time covering material using TI-85's, 86's or 89's.
2. One large spiral notebook for class notes and homework.
3. You may want to purchase the AP Statistics Barron's Book. It is not a requirement, but may come in handy when you study for the AP test.
4. One folder to store old quizzes.
5. One brown bag to cover your book. Please do this.