AP Statistics
2022-2023

Yellow 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

(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!!!!!!!!!!!!!!!!