



## Statistics Mr. Brennan

Welcome to Statistics!

### Contact Information

Teacher Contact:

Mr. Jim Brennan

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### MISSION STATEMENT & EXPECTATIONS FOR LEARNING

Through Education for **LIFE** students will

Learn to be creative and critical thinkers

Inquire, investigate, and innovate

Flourish in self-directed and collaborate environments; appreciate diversity, and promote respect

Effectively adapt technology; use, manage, and evaluate information and communicate effectively

### Course Description

This is a one semester course: Introduction to statistical reasoning. Emphasis on concepts rather than in-depth coverage of traditional statistical methods. Topics include sampling, experimentation, descriptive statistics, probability, binomial and normal distributions, and estimation. Additional topics will be selected from descriptive methods in regression and correlation.

### Textbook and Textbook resources

Textbook: Stats Modeling the World AP\* Edition, 3rd Ed

Authors: Bock, Velleman, De Veaux

Pearson/Addison Wesley

Class Web Site: [www.MyFamilyZoo.com](http://www.MyFamilyZoo.com)

Follow the links to Block E.

### Content

Chapter 01: Stats Starts Here (No solutions)

Chapter 02: Data

Chapter 03: Displaying and Describing Categorical Data

Chapter 04: Displaying and Summarizing Quantitative\_Data

Chapter 05: Understanding and Comparing Distributions

Chapter 06: The Standard Deviation as a Ruler and the Normal Model

Chapter 07: Scatterplots Association and Correlation

Chapter 08: Linear Regression

Chapter 09: Regression Wisdom

Chapter 10: Re-expressing Data Get It Straight

Chapter 11: Understanding Randomness

Chapter 12: Sample Surveys

Chapter 13: Experiments and Observational Studies

## Grading

The grading for each quarter will represent the students' achievements, efforts, and contributions measured by classroom productivity, homework, projects, quizzes and tests. The grade for the third quarter will account for 45% of the semester grade, the grade for the fourth quarter will account for 35% of the semester grade and the semester exam will account for 20% of the final semester grade.

## Expectations

Students are expected to put forth their best efforts and are responsible for creating and maintaining an environment where all students can succeed, following the published policies in the Student Handbook and the posted classroom rules.

## Materials

Students should bring to class each day a three-ring binder, writing utensils, and it is **strongly** recommended that each student purchase a *TI-84 Silver Edition Graphing Calculator*. Students may find it beneficial to have a compass, protractor, ruler, graph paper and colored pencils/markers on hand for completing homework assignments and projects throughout the school year or to complement the classroom supplies.

## Feedback

Questions, comments and feedback are always welcome. For any concerns about student progress or course material please contact the classroom teacher first, and the department curriculum leader as needed to address any issues.