

AP Statistics Syllabus 2014

Instructor: Miss Byrkett

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Text: *Statistics in Action: Understanding a World of Data*, Watkins, Schaeffer, and Cobb

Class Webpage: <http://lhsapstats.weebly.com/>

Course Description (from the AP Statistics website)

The purpose of this course is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring Data: Describing patterns and departures from patterns
- Sampling and Experimentation: Planning and conducting a study
- Anticipating Patterns: Exploring random phenomena using probability and simulation
- Statistical Inference: Estimating population parameters and testing hypotheses

Goals

- To master the AP Statistics curriculum
- To appreciate and understand the role of statistics in the world of mathematics and in the “real world”.
- To communicate ideas so they are clear, concise, and easily understood.
- To score well on the AP Exam.

Materials

- TI-83 or TI-84 graphing calculator
- 3-ring binder/5 dividers
- Loose-leaf notebook paper/graph paper
- PENCILS!

Grading

- Tests/Quizzes/Projects: 75%
- Homework: 15%
- Participation: 5%
- Weekly AP Problems: 5%

Tests/Quizzes

- Tests and quizzes will include multiple-choice and free response questions from previous AP exams. These will be graded as they would be on the AP exam. The free response questions ALWAYS require a good explanation with complete sentences, appropriately supported by graphs and/or calculations. No credit will be given for correct answers without appropriate support and explanation.
- Some quizzes will be unannounced.
- ALL tests will include at least one AP free-response question that uses material we covered earlier in the semester.
- There will be NO retakes of tests and quizzes. Please be prepared the first time.

Homework

- Homework will be assigned each night. It will be graded based on the flip of a coin. Heads, I check it; tails, I don't.
- Homework is NOT accepted late!

Participation

- Students are expected to participate fully in all assignments during class.
- Each quarter you will receive a two-part participation grade:
 - Part 1: Do Now grade
 - Part 2: An average of any collected in-class grades
- Hall Passes – Each quarter you will receive 4 hall passes. You may use these to go to the locker, use the restroom, etc. Each pass you have not used at the end of the quarter will result in 2 bonus points added to your participation grade.

Weekly AP Problems

- Each Monday you will be assigned 1-3 AP Problems that will be collected on Friday. The problems can be found on the AP Stats web page. You will be graded based on the effort put into the assignment. It DOES NOT have to be correct, it just MUST be clear that you have made an attempt at the problem.

Attendance/Tardiness

- Experience has shown that missing class, whether excused or not, makes success more difficult. Regular attendance is essential to success in this class. If you are absent and out of school for an excused absence, please check the class website for HW assignments and see me if you are having a difficult time catching up.
- Per school policy, three tardies to class will result in a detention.

Extra Help

If you need extra help, please feel free to come before or after school. You may come as early as 6:45. If you plan on staying after school, please see me prior to staying to confirm my availability.

Other Information

- Your textbook is on-line. To access it, go to <http://flourishkh.com/>. Your username is the same username you use to log on to the computer. The password is your username. (You may change your password once you log on.)
- Please cover your textbook and bring it to class every day.
- Please check the class website regularly for any additional information.
- Cell Phone Policy: Cell phones should be turned off or silenced during class unless you are using them for academic purposes.

Date of AP Statistics Exam: Friday, May 9, 2014

Please sign and return to Miss Byrkett by January 24, 2014:

I understand the expectations Miss Byrkett has for me in AP Statistics. I will do my best to live up to those expectations.

Student Signature: _____ Date: _____

I have read the attached syllabus concerning the procedures and expectation for AP Stats. I have listed any comments and concerns below.

Parent Signature: _____ Date: _____

Best way to reach me during the day: _____

E-mail address: _____

Questions/Comments/Concerns: