

AP Statistics



Ms. Paul

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Room: 9

Course Description:

Welcome to AP Statistics at Lincoln High! AP Statistics is a rigorous college level course. It will differ from any math course that you have taken so far in that it doesn't depend heavily on rote calculations, but rather on conceptual understanding of data and the analysis thereof. It will require that you become an active participant in mathematics and the world of data around you. The goal of this course is to prepare you for the AP exam on Tuesday, May 5, 2008. The College Board breaks the course into four categories:

1. **Exploring Data:** Describing patterns and departures from patterns. (20-30%)
2. **Sampling and Experimentation:** Planning and conducting a study (10-15%)
3. **Anticipating Patterns:** Exploring random phenomena using probability & simulation (20-30%)
4. **Statistical Inference:** Estimating population parameters & testing hypotheses (30-40%)

Expectations:

All students are expected to be...

- **Respectful of ALL.**
-There is a no tolerance policy for foul language, derogatory statements, and confrontational behavior.
- **Prompt and prepared.**
-Graphing notebook, 2 sharpened pencils, a pen, and a scientific or graphing calculator.
- **Responsible for their own actions.**
-"No talking" means NO talking.
-Maintain the cleanliness of the classroom; food is not allowed in the room.
-Take ownership of your own learning. Never hesitate to ask questions or to come in for help.
- **Continuously Improving.**
-Never become complacent. Continuously striving to learn more, try harder, and perform better than the day before.

Grading:

Grades are earned, not given, and are therefore negotiable. Grades will be composed of three general categories:

1. **Performance**—Tests, quizzes, exit slips, and presentations—**60%**
2. **Practice**—Homework, notebook checks, and projects—**25%**
3. **Final Exam**—**15%**

100-91%	A	88-81% B	78-71% C	68-61% D
90%	A-	80% B-	70% C-	60% D-
89%	B+	79% C+	69% D+	≤59% F

Homework:

- Homework will be assigned nearly every day. Assignments are to be completed by the beginning of class, on the day that they are due.
- Fifty percent of each homework grade will be based on having completed it on time; 50% will be determined from the correctness of the assignment (random problems will be checked during each notebook check).

Notebook:

- Students are required to keep a large spiral notebook for this mathematics class, and this class only. The notebook should include a folder and, if possible, include graph paper.
- Homework grades will be determined entirely from notebook checks, so it is imperative to have a notebook and to keep it organized and up to date.

Papers/Projects

- Papers and projects may be assigned from time to time. Projects may include full research projects, small activities, and in-class tasks that will explore and extend topics covered in class. Late papers and projects will NOT be accepted.

Tests and Quizzes

- Students should expect to take one major quiz (generally on Fridays) or one test per week. All tests and major quizzes will be announced well in advance.

Tardies and Absences

- Class periods run for only about 50 minutes, and as such, tardiness will NOT be tolerated. **Students must be in their seats and working on the warm-up when the bell rings, or they are considered late.**
- Homework and quizzes missed must be made up within 3 days upon return from any excused absence; exit-slips cannot be made-up. Absent students are still responsible for warm-ups from the missed day. Any school-related absences must be cleared with me at least 2 days before the absence.

Resources:

- Each student will have the privilege to use one copy of *The Practice of Statistics, ed. 5* by Yates, Moore, and Starnes. Books must be covered at all times and will be required each day. Lost or damaged books will be charged to the student.
- Students also need their own graphing calculators to use in class and at home. TI 83, 83+, and 84 are the best options. If the cost is a concern, please don't hesitate to talk to me about the available options.

Things that are NOT Allowed in class:

The general policy in regards to all of the following objects is **"If I see it, it's mine."**

- Cell Phones
- Makeup
- iPods (and other music devices) and Gaming Devices
- Candy, Food, and Drinks*

*Water is allowed and calculators may be used for math purposes (if caught using game applications, it will be treated as if it were a gaming device).

First Offence: Item confiscated; can be retrieved at the end of the day

Second Offence: Item confiscated; can be retrieved from Student Services after 24 hours.

Third Offence: Item confiscated; a parent may come pick it up after one week.

Consequences:

I rarely expect this to come up, but it must be mentioned. For disturbances and disrespectful behavior, the consequences are as follows:

1. **Warning:** Verbal warning to the student.
2. **Talk:** Conference with me after class.
3. **Call:** Ten minutes of lunch break, call home.
4. **Leave:** Removed from class. Referral and conference with an administrator and me.

"To give less than the best is to sacrifice the gift." ~Steve Prefontaine