

## *AP Statistics* 2016-2017

**Teacher:** Stephanie Nichols, PhD

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**Room:** 4024

**Course Description:** The AP Statistics course is a college level course. AP Statistics introduces students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Statistics is not simply number crunching - it is a process of interpreting and writing about the data. Students will learn clear communication of their thinking, statistical methods and conclusions. Students will be exposed to four main themes throughout the course:

1. Exploring data: observing patterns and departures from patterns
2. Planning a study: deciding what and how to measure
3. Anticipating patterns: producing models using probability theory and simulation
4. Statistical inference: confirming models

**AP Test:** All students will take the AP Exam in May. Every college has its own method of assignment of credit – typically a score of 4 or 5 results in college credit given. There will be no other final exam for the course. The final grade will be the average of the four quarter grades.

### **Supplies:**

- **Textbook** (The Practice of Statistics. AP Edition, 4<sup>th</sup> Edition, Starnes, Yates, & Moore, 2010)
- **Notebook** (preferably binder) with folders or dividers, pens and pencils, lined paper
- **Calculator** – MANDATORY, no exceptions - with statistical functions (TI-84 or better)

### **Grading Policy:**

The quarterly grades will be determined using the following grading scale:

<b>Letter Grade</b>	<b>Percentages</b>	<b>Quality Points</b>
A	90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	4.0
B+	87, 88, 89	3.5
B	80, 81, 82, 83, 84, 85, 86	3.0
C+	77, 78, 79	2.5
C	70, 71, 72, 73, 74, 75, 76	2.0
D+	67, 68, 69	1.5
D	60, 61, 62, 63, 64, 65, 66	1.0
E	0 – 59	0.0

All decimal grades will be rounded up or down as appropriate (ex: 84.4 will be rounded to 84, and 84.5 will be rounded to 85)
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*Student grades reflect student achievement and not student behavior.*

### **Quarter Grade**

Tests/Quizzes: 75%

Stat Ref Hdbks: 5%

Hwk: 10%

Quarter Assessment: 10%

**Test/Quizzes:**

Tests and quizzes will be given as announced. There are no retakes on tests or quizzes. Students are not allowed to borrow or share calculators on tests and quizzes. Students will receive a zero on any test or quiz not made up within one week of an excused absence. Not all tests and quizzes will be preceded by reviews. Tests and quizzes cannot be made up if an absence is unexcused.

All assessments, including quizzes, tests, quarter exams, and final exams, may contain any previously taught material.

**Statistical Reference Handbook:**

Throughout the year students will be assigned portions of their statistical reference handbook to complete – typically at the end of a unit. These will accumulate throughout the year in order to create a thorough study guide for the AP Exam. Due dates will be announced in advance and explicit directions will be given.

**Homework:**

Homework will be assigned daily to reinforce concepts learned in class. Daily homework is graded on completeness and effort. A complete assignment with all work shown and written in complete sentences, will receive full credit. Incomplete assignments will be graded proportionally to the amount of work completed. Unexcused late work will not be accepted.

**Extra Help:**

Additional help is available daily in Room 4017 during all three lunches every day of the week. During Zero period help is available from 7:30am - 8:10am in Room 4016. It is your responsibility to make use of these excellent resources if you feel you are struggling in class or need additional support.

Additionally I am available during Generals Period for a limited number of students and after school by appointment.

**Attendance:**

Attending class and being an active participant are key to having a successful year. In my class, being on time means you are in your seat and ready to begin class when the bell rings. According to the APS School Board Policy Implementation Procedures 25-1.1 Attendance, "students forfeit daily class grades for all unexcused absences." Students entering the class after the bell has rung will be marked tardy and will lose credit for warm up activities already in progress or homework collected. The tardy policy for our school states that when you are tardy (unexcused) for three or more times in a quarter you will receive a lunch detention for each tardy. On your fourth tardy, a call will be made home to discuss your tardiness with your parent/guardian. On the fifth tardy, you will receive a referral to your administrator.

**Classroom Expectations:**

I follow the rules as stated in the Washington Lee High School handbook.

- Be polite and respectful to all people in the classroom
- Be ready for class each day (proper supplies and a good attitude)
- Try your best on every assignment
- Stay after school if you have questions
- No food, drinks, cosmetics, iPods, CD players, hats, cell phones

**Cheating:**

Whenever you claim another person's work as your own that is considered cheating. If you are caught cheating on any assignment (for any class), I will write up a referral. If it is for one of my assignments (test, quiz, homework...) you will receive a zero. Sharing a calculator with a classmate during a test or a quiz IS considered cheating. There is absolutely no sharing of calculators during assessments. Students will be expected to follow the WL Honor Pledge for all assignments.

*"On my honor, I pledge that I have neither given nor received information on this assignment."*

Success in AP Statistics will be determined by your positive and good attitude, commitment, discipline and timely completion of all your assignments.

I am looking forward to a great year!

Dr. Stephanie Nichols