



# Reynolds High School

## Statistics (2023 – 2024)

*Building Relationships for Academic Success*

**Instructor: Andrea Hernandez**  
**Room 705**

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### **Necessary Materials:**

- Chromebook – charged, decluttered, and updated
- Spiral notebook
- Pens, pencils, colored pencils, highlighters
- Ruler (6-inch or 12-inch)
- A scientific calculator

### **Course Description:**

Statistics is a semester course in the second year of high school and is required by the Oregon Department of Education. There is no textbook for this class, but reference material will be provided in class and made available online. You will earn 0.5 math credit when you successfully complete this class.

Statistics is the study of decision-making using data science. You will look at data and figure out how to display it so that it makes sense, evaluate it by looking at “center” and “spread”, and then make decisions or answer questions about it. Sometimes we will look at a single set of data, sometimes we will compare two different sets and look for a relationship. We will end the semester by studying probability as a way to help us make decisions about data and other situations.

### **New Bell Schedule – Block Periods!**

Things are changing this year at RHS! We are on a block schedule, which means we will meet every *other* day for 90 minutes instead of every day for 50 minutes like last year. Attendance will be more important this year than ever before. Missing one day of class has double the impact as it did last year. Missing class also means that there are some class activities, such as collecting data, that will be very difficult to make up.

It will be important that you know what day it is (A-day or B-day) so that you have the appropriate materials with you. Please use your student planner, which you will get on Monday, September 11, to help you stay organized.

### **Grading:**

Two categories of scores will go into the gradebook: Formative and Summative

*Formative* assignments are classwork, homework, quizzes, and participation. These make up 30% of your overall grade.

*Summative* assignments are unit exams, work samples, unit portfolios, and unit projects. These make up 70% of your overall grade.

You are responsible for getting and completing any assignment missed when you're absent.

**Formative Items:**

*Classwork* is any assignment that is intended to be completed and turned in during class that day. These will include daily Warm-Ups, Exit Tickets, and any other write-ups done for class activities.

*Homework* will be assigned almost every day. It will most often be a worksheet or part of a worksheet packet. Unless otherwise stated, homework assignments are due the next class.

*Quizzes* will be given regularly to check for understanding. These should be completed in class in the time allowed. Absent students should make them up as soon as possible. They must be made up before the test over the given material. Most quizzes cannot be retaken for a better score. They simply don't make up enough of the overall grade to make it worth the time and effort. However, a poor quiz score indicates that you aren't understanding the material covered and I encourage you to seek additional help before the test.

*Participation* is my observation of positive and negative actions and behaviors in class. During class, I will be keeping notes on students who are engaged and working well both alone and with others in the room. These actions demonstrate positive participation and will have a positive impact on your grade. Some actions, such as using a cell phone, wearing headphones or earbuds, disturbing other students in a way that doesn't allow them to get work done, or not working or following directions in class demonstrate negative participation, which will negatively impact your grade. Some of these include

Please do not copy another student's work and claim it as your own. That is cheating. Work that has been copied from someone else will not earn credit. I understand that not everyone enjoys the class content, but everyone needs the opportunity to do their best to be successful.

Each of these items will total approximately 10 points per week.

**LATE/ABSENT:**

I will accept late work within a current unit, but unless the circumstances are extraordinary, it will not be for full credit. No work will be accepted once the test over the unit has been given.

If you were absent, write "absent" on the top of the work when you turn it in so that I don't count it late. Please work with me to make sure you get everything you need to get caught back up when you fall behind.

**Summative Items:**

Each unit will be tested. Some of our units lend themselves to project or portfolio-type of unit summaries and others are better covered in a traditional test. Most units will have a combination of both. Paper and pencil exams must be completed in class in the time allowed and turned in before leaving class. Computer tests will have specific windows of time that they are open and accepting submissions. Portfolios and/or projects will have clearly stated deadlines.

There will be a comprehensive final exam at the end of the semester.

**LATE/ABSENT:**

If you are absent on a test day, the test can be made up with me after school. This should be done as soon as possible.

If a portfolio or project deadline is missed, the work should be turned in as soon as possible. Again, I will accept late work, but unless the circumstances are extraordinary, it will not be for full credit. Work turned in after an absence is not usually considered late.

If an open testing window is missed, you will have to see me to make arrangements to do the work.

Each test can be retaken once to improve a score up to 90%.

### Letter Grade Description & Percentage Breakdown:

Grade Percentage	Letter/Scale Grade	Description
100% - 90%	<b>A/5</b>	The student fully understands the content and the course objectives have been mastered.
89% - 80%	<b>B/4</b>	The student understands the content and course objectives at an above average level.
79% - 68%	<b>C/3</b>	The student understands the course content and course objectives at an average level. Some conceptual misunderstandings; many
67% - 56%	<b>D/2</b>	The student understands the course content at a below average level and a minimum of course objectives are met.
55% - 1%	<b>F/1</b>	The student has not met a sufficient number of course objectives to pass a minimum level and receives no credit.
0%	<b>N/0</b>	No work has been shown to demonstrate any learning of the content.

### Course Schedule/Outline of Units

MONTH	TOPIC
<b>September/October</b>	Unit 1: Sample Collection and Display EXAM #1 Math Content: methods of collecting data and choosing a display
<b>October/November</b>	Unit 2: Normal Data Model EXAM #2 Math Content: use standard deviation and z-score with the normal curve
<b>November/December</b>	Unit 3: Bivariate Data EXAM #3 Math Content: use scatterplots and lines of fit to compare two data sets
<b>January</b>	Unit 4: Probability EXAM #4 Math Content: use sample space to determine likelihood of outcomes Comprehensive Final Exam

### Class Expectations (classroom rules, procedures, POWER, etc.)

<u>Letter</u>	<u>Stands for</u>	<u>What does this look like in our classroom?</u>
<b>P</b>	Prepared & Punctual	Be in your seat when the bell rings. Have your supplies out and ready to use. Have your assignment out and ready to correct.
<b>O</b>	Organized	Have a spiral notebook for classwork and notes. Have a binder or 2-pocket folder for class papers. Have your computer files named and saved in folders.
<b>W</b>	Writers	Write assignments and test dates in your planner. Write the Warm-Ups, notes, and Exit Tickets in your spiral notebook. Learn and use mathematical notation in your assignments.
<b>E</b>	Engaged	Do the activities assigned. Work well alone and with your group. Stay in class unless it is an emergency. Use class time to be a mathematician.
<b>R</b>	Respectful	Sit in your assigned seat. Get permission to touch or use other's property. Treat classroom supplies carefully. Phones, headphones/earbuds, and food are put away.

**Additional Information:**

- I have some supplies for you to use while in class, including a small number of calculators. I am unable to replace broken, mistreated, or stolen supplies.
- In addition to my expectations, please refer to pages 23 – 24 in the student planner for the school's POWER expectations and respect matrix.
- Please check Schoology (reynolds.schoology.com) for class information. *The Week Ahead* document and the *Daily Agenda* will be found there.
- Regularly check your grades in StudentVue. See page 4 in the student planner for access instructions.
- Parents can get a ParentVue account to check on grades!
- Computer and other account login information can be found on page 8 of the student planner.

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Parents, Guardians, and Student,

Statistics

Please fill in the information card below. Cut on the dotted line above and return this portion to Mrs. Hernandez in Room 705.

Student name (printed) \_\_\_\_\_ Period \_\_\_\_\_

Student signature indicates you received a syllabus: \_\_\_\_\_

Parent signature indicates you received a syllabus: \_\_\_\_\_

Is there anything you feel I need to know that will allow us to successfully work together this year?