



# WELCOME



## Algebra II

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Welcome to Algebra II! I am looking forward to having you as a student. The information that follows is intended to help create the best learning environment possible for everyone in our class. You may find that I have high expectations of my students. Why? Because I *know* you are capable of great things!

### Course Description

The content of Algebra II is organized around families of functions, including linear, quadratic, exponential, logarithmic, radical, and rational functions. As you study each family of functions, you will learn to represent them in multiple ways—as verbal descriptions, equations, tables and graphs. You will also learn to model real-world situations using functions in order to solve problems arising from those situations. If I had to summarize Algebra II in two words, those words would be Solve and Graph.

#### Semester 1

Absolute Value Functions

Systems of Equations and Inequalities

Quadratic Relations and Functions

Quadratic and Square Root Functions

#### Semester 2

Cubic/Cube Root Functions

Operations of Polynomial and Rational Functions

Rational Functions

Exponential/Logarithmic Functions

### My Responsibilities as Your Teacher

- Treat you with respect and care as an individual
- Provide you with an orderly classroom environment
- Deliver the necessary discipline
- Offer the appropriate motivation
- Teach you the required content

### Your Responsibilities as a Student

- Treat everyone with respect and care as an individual
- Bring all materials to class daily
- To be cooperative and motivated
- Participate in all activities and complete assignments. (Math is not a spectator sport!)
- Learn and master the required content (SUCCESS = EFFORT)

### Materials

- Pencil and paper everyday
- Graph paper
- Online access to Schoology
- Desmos.com will be used as calculator application. Calculators will not be needed every day.

### **Classroom Expectations**

Be an active listener and notetaker

Work cooperatively with others

Participate by asking questions and giving feedback to other students

Show academic integrity by not cheating (including cell phone apps)

### **Daily Grades**

Assignments will be clearly labeled on your Schoology calendar.

AAC: 15 points will be subtracted for each day late, up to 50

On-Level: 10 points will be subtracted for each day late, up to 50

Grades will not be accepted after the current term ends.

### **Major Grades**

During tests, students must place their cell phones in holders designated by the teacher away from their desks. If a student has a cell phone in their vicinity during a test, they will be given a zero for the test and that test score will not be allowed to be progressed.

If a student is going to be absent on the day of a test, they must notify the teacher beforehand. Students are expected to make-up their test on the day they return, unless there is specific communication between the student and teacher.

### **Retesting Policy**

Tests will be scored progressively throughout each term. This means that the second test score will replace the first if it is higher and the third test score will replace the second if it is higher. The third test can only be retested up to a 75.

### **Tutorials**

Please refer to the schedule below for my current Algebra II online learning tutorial times. We encourage students to attend tutorials for the following reasons: a quick question, help understand the material in a smaller group, test preparation, or to share any concerns you may have. Come to tutorials before tragedy strikes.

|                        | Monday       | Tuesday              | Wednesday    | Thursday             | Friday                 |
|------------------------|--------------|----------------------|--------------|----------------------|------------------------|
| Morning<br>7:00-7:30   | Farmer       | Foster               | Farmer       | Foster               | By appointment<br>only |
| Afternoon<br>2:45-3:15 | Mann, Gaible | Gomez, Dinh,<br>Wang | Mann, Gaible | Gomez, Dinh,<br>Wang | By appointment<br>only |

### **Parent/Student and Teacher communication**

Please have your student communicate with me in person when there are any questions or concerns. A virtual meeting or phone call can always be scheduled when it is required. Please check Schoology and Skyward emails for updates on grading dates and unit information. Do not hesitate to communicate with me and ask questions.

### **Growth Mindset**

Throughout the year, we encourage students to adopt a growth mindset about their mathematics learning and the use of technology. Even if things seem difficult at first, we are looking for and celebrating improvement and progress with regards to math, critical thinking, and communication. Staying flexible and patient is important as students and teachers work to their fullest potential.