



**Algebra 2 Syllabus**  
**Mrs. Trollope Room F124**  
**Voicemail: (480)224-2924**  
**Email: [Trollope.Heidi@cusd80.com](mailto:Trollope.Heidi@cusd80.com)**

It is my pleasure to be your math teacher this year. I look forward to a year full of learning and achievement. The purpose of this syllabus is to inform you of some of the expectations and procedures in my classroom. Your success is very important to me, so please take time to read the following information and ask questions if you have any.



## Course Description

Algebra 2 includes a study of statistics as an opportunity to engage students in a meaningful discussion about data, experimentation, and the need to organize, analyze and interpret data. Sequences, equations, inequalities and systems of equations allow students to access new ideas by building on prior learning from middle school and Algebra 1. Functions are an extension of students' introduction to functions in Algebra 1, and this year will focus on recognizing how patterns in expressions change as parent functions are transformed. Students build on their understanding of functions to relate the meaning of function notation to more complex contextual situations. Algebra 2 includes exposure to a variety of function types, including quadratic, absolute value, polynomial, rational, exponential, logarithmic, radical, and trigonometric functions. As students learn about each function type, they will learn to see structure in expressions and connect contextual meaning to parts of expressions, equations and functions.

## Student Expectations

- PHS Attendance and Tardy policy will be enforced.
- Be prepared for class. (HW, pencil, notebook, paper, and calculator)
- Use your class time wisely – stay in your seat and be prepared to work from bell to bell.
- Be respectful to yourself, your peers, and your instructor.
- **No food, drinks (except water), or hats in the classroom.**
- All rules as outlined in the student handbook will be followed.
- **Behavior:** There is no place and no time for immature behavior in this class. Students who deprive others of the right to learn will be dismissed.

## Materials



The following materials are recommended for class each day:

- 3 ring binder with loose leaf paper
- Pencil and eraser (all work must be completed in pencil)
- Correcting Pen (preferably not black)
- Graphing Calculator - Much of the work in this course can be greatly simplified with the access of a TI-83 or TI-84 calculator. Thus, it is in your best interest to own a calculator for use at home and school.

## Absences and Make-Up Work

- It is your responsibility to check the course calendar in class or online to determine what you missed. Notes can be copied from a peer.
- Classwork may not always be made up. It depends on the topic and nature of the assignment.
- Tests and quizzes must be made up after school. Prior arrangements must be made.
- For all assignments, you will have as many days as you were absent to make up the work.



## Grading Policy

Point values will continue to accumulate over the entire semester; they will not start over with each quarter. Therefore, semester grades will be based on 20% from the semester final and the other 80% will be from the semester cumulative grade. The semester cumulative grade is determined by scores earned in the following categories and will be weighted as noted:

### Homework and Classwork (20%):

Homework is assigned to help you practice the skills we are learning in class. You should expect to have homework an average of 4 nights per week. The following are important aspects of all assignments:

- Homework needs to be completed on time in order to keep up with the rigor of this course.
- Completion of homework will be submitted in a packet and turned in weekly with a written reflection of understanding. Each assignment is worth 10 points.
- Homework completed late will receive half credit up until the day of the unit test. A permanent score of a zero will be recorded for any late work not received prior to the unit test.
- In addition to a homework completion grade, students will be graded for accuracy on homework in various ways including, but not limited to, teacher checks on all or part of nightly homework, homework quizzes given in class, and other in class tasks as assigned. Point values for homework accuracy will vary depending on the length and complexity of the work.
- Work graded for accuracy can and should be redone for full credit if a student struggled with some or all of the content. The redo must be completed prior to the unit test.
- Classwork will include a daily warm-up. Warm-ups will be completed during the first 5 minutes of each class and turned in weekly with homework.
- Each warm-up is worth 5 points. It is a student's responsibility to make up warm-ups if they are absent.

### Quizzes and Tests (80%):

- The purpose of a quiz is for both students and the teacher to gather a quick snapshot of how well you are learning the material prior to the unit test.
- Quizzes will be announced and will be in the form a small multi-section assessment.
- Corrections on quizzes are allowed up until the day of the unit test. Corrections on quizzes must be completed after school and will allow students to earn back partial credit.
- A test is a student's opportunity to show me how much they have learned. All homework, redo work, and quiz corrections must be completed prior to the date of the unit test. Incomplete work at the time of the test will receive a zero.
- There are no retakes or corrections allowed on tests.



### Grading Scale

90% - 100% = A

60% - 69% = D

80% - 89% = B

Below 60% = F

70% - 79% = C

### Textbook

We will be using the Big Ideas MATH, Algebra 2 textbook this year. While there will be a few actual textbooks available for use in the classroom, we will mostly be utilizing the online version of this textbook. If you cannot access the online textbook, a hard copy can be checked out. However, the resources and practice that is available online will be very helpful to you as you navigate through this very difficult course.

### Math Tutoring

Algebra 2 can be very challenging for students. There are plenty of opportunities for students to get help when needed.

- Free math tutoring is available in the math tutor lab after school every week Monday – Thursday. Math lab locations will be posted outside the classroom door.
- Additionally, I will offer help sessions in my classroom after school at least twice each week. Help session times and dates will be posted every week on Monday.