**Algebra II**

Mrs. Jillian Maher Room 210

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Website: <http://mrsmahersclassroom.yolasite.com>

Availability: 4th Period 11:00am – 12:20pm

2:30pm – 3:00pm

**Course Expectations**

You are expected to work, study, and collaborate in this classroom in a professional manner. We will use our JAG SWAG to help be the best professionals through this course. These are by no means the limit of expectations, only the benchmark. Please remember all district and school rules apply to this classroom as well.

1. **Be Safe.** Remain in your seat throughout class. Do not block exits before, during or after class. Clean up the area around you before dismissal.
2. **Have Work Ethic.** Use your time in class from bell to bell. Work efficiently through flashbacks, through notes, through classwork, ALWAYS!
3. **Be Accountable.** Enter the classroom prepared and be in your seat before the bell. Turn in all assignments on time. Gather makeup work and complete in appropriate time. Ask questions and get help immediately.
4. **Give Respect.** You are only in charge of one person. Be the best person you can be. Treat others as you expect to be treated.

**Course Text**

*Springboard: Mathematics with Meaning: Algebra II*.

This textbook will be used as a workbook in this course. Students are expected to write, highlight, and manipulate the pages in this text. It will not be returned to the teacher at the end of the course.

Consequently, should a student lose their textbook, they are responsible for a *$20 replacement fee*. The teacher will not make copies for any student who forgets, misplaces, or loses their textbook. This textbook is vital to the success of this course and a student will not be able to continue in class without it. Please keep your textbook with you at all times.

**Course Materials**

These items are to be brought to class every day.

* Textbook
* Writing utensil – Student may not use red, orange, pink, or yellow ink.
* 3-ring Binder & Dividers
* Loose leaf paper & Graph paper
* Calculator – a scientific calculator at minimum, preferably a graphing calculator. Please verify through ACT that the calculator is acceptable.

**Grading**

An average of the four quarter grades accounts for 80% of your final grade. A final exam will account for the remaining 20% of your grade. For each quarter’s grade, there are two categories.

*Assessments are 70% of your quarter grade*. Your knowledge will be assessed through unit tests, quizzes, and constructed response problems. Each unit will contain one unit test. Quizzes may be announced in advance or the day of. This is the largest portion of your grade – study wisely!

*Assignments are 30% of your quarter grade*. There are several possibilities for you to show your work ethic through your Course Work grade, the most common being homework. Homework should be expected every night. It may be graded in several different ways – at your desk for participation, turned in for correctness, or assessed with an exit slip. You are responsible for completing every assignment when it is assigned as it may not be announced in advance how the homework will be collected.

You will be required to keep a binder containing definitions, explanations, and examples given in class; paperwork; investigations and other long-term projects. It should be organized, and each section should be labeled. Materials should be placed in each section in chronological order. There will be binder grades through the year, by way of collecting items from the binder or binder quizzes in class.

Technology will be an important component of this course. You may find course work that requires you to analyze an online video, type an explanation, or communicate with the teacher or other students on your own time. You will be required to access a computer outside of this classroom. Understand that this is to help prepare you for your future career or college expectations.

**Unit Remediation for Mathematics Courses**The mathematics department at Cooper High School is committed to helping students reach mastery of all concepts needed to be successful in their mathematics course.  If a student has not reached mastery of the content addressed on the unit exam, students will be given the opportunity to remediate their skills through the following process.

* 1. Students will indicate to the teacher at the time the exam is returned that they wish to remediate the concepts from the unit.
  2. From this time students will have one (1) week to sign up for and attend voluntary tutoring to fill out the unit reflection form using the exam.  The form is to be completed and returned to the voluntary tutoring teacher at that time (after school is possible if prearranged).
  3. From that day students will have one week to prepare for (method predetermined by the student when they fill out the reflection form) and stay after school (before school if prearrangements are made) to demonstrate that they have mastered the material from that unit of study.  Students will demonstrate this knowledge by taking another version of the exam which will count as their new grade for that unit.

**Late Work Policy**  
Being tardy in assignments can hinder the learning process. It is essential that you, the student, complete all assignments in a timely manner. However, late assignments will be accepted since the goal of this course is to attain mastery of content. Any late work is accepted at half credit. There will be a final date of acceptance so grades may be posted in an appropriate time.

**Absence Policy**  
If you are absent, collect any missing assignments from the class board or from the website. You are given the number of days you were absent to return missed work. *You are still responsible for work due on the day you were absent, it is to be turned in the day of your return*.

Credit on missed work is based on the type of absence and the amount of time taken to return the work. If the absence in excused, and the work is returned according the amount of time missed, it will be accepted as full credit. If the absence is unexcused, the work is accepted for half credit.

If you are absent for a unit test, quiz, or other assessment, you will have one week from your return to complete the assignment in your own time (before or after school).

**Extra Assistance**  
If at any point through the course you feel you are not fully mastering a concept, *do not hesitate to receive assistance*. I will be available after school one day a week for tutoring. See the class website for my available days. I am also available upon request, please just ask.

**Course Outline**  
Unit 0: Review of Linear Equations  
Unit 1: Linear Systems and Matrices  
Unit 2: Series, Exponential, and Logarithmic Functions  
Unit 3: Quadratic Functions and Complex Numbers  
Unit 4: Polynomials  
Unit 5: Radical and Rational Functions  
Unit 6: Probability  
Unit 7: Conic Sections Introduction