

Algebra II

Spring 2016

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This Algebra II course is aimed at strengthening student's algebraic skills by focusing mathematical understanding and problem solving techniques that can be applied to a wide variety of problems. The following topics will be covered.

VI – Exponentials & Logarithmic Functions

VII – Rational Functions

VIII – Sequences & Series I

IX - Trigonometric Rations & Functions

X- Probability

I. Resources & Materials

A. Textbook

“Big Ideas Math Algebra 2 A Common Core Curriculum”, by Ron Larson and Laurie Boswell, Big Ideas Learning, LLC.

B. Required Materials

Required materials must be brought to class everyday. Failure to do so will impact the student's participation grade.

- Pencil(s)
- Four Dividers (for binder)
- Binder
- Eraser
- Lined Paper

C. Optional Materials

Optional materials are not required but may assist in student learning.

- Graphing Paper
- Compass
- Desmos Calculator App
- Calculator*
- Straight Edge

* Calculators are optional. In class calculators will be provided. You can download a calculator for your Android Device or Computer. If you buy a calculator the TI-30X IIS or the TI-84 Plus are recommended.

D. Online Resources

This class posts much of what we do in class online at the following places. Other online resources are linked to from the main website mxepstein.com

- Website: mxepstein.com
- Instagram: [@mxepstein](https://www.instagram.com/mxepstein)
- Facebook: [fb.com/mxepstein](https://www.facebook.com/mxepstein)
- Email List: (subscribe at mxepstein.com/subscribe)

II. Grades & Evaluations

A. Grading Summary

Letter grades are calculated as A=90%-100%, B=80%-89%, C=70%-79%, D=60%-69%, F=0%-59%. The breakdown showing how your final grade is calculated is shown below.

Semester Grade		Quarter Grade	
1 st Quarter	40%	Tests/Quizzes	60%
2 nd Quarter	40%	Homework	20%
Final Exam	20%	Champion Points	20%

B. Tests & Quizzes

Tests and quizzes are an important part of evaluating student progress, and contribute greatly a student's final grade (see above). Students are expected to take all tests and quizzes seriously and to do their best. Any student who misses a test has one week from the original test date to retake that test. Quizzes cannot be made up.

Test questions that were marked incorrect can be made up for one-third credit either before school or during lunch up to a week after the test.

C. Homework

Homework assignments will be announced during class, posted on the class calendar, and posted on the class website. Homework is always due the next day or, in the case of block days and weekends, the next time the class meets. Homework must be placed in the homework basket before the bell rings in order to be considered on time. It is the student's responsibility to turn in homework. Late assignments may be turned in up to one week after their due date for 80% credit. No late homework will be accepted after that time.

Homework will not be graded unless the header is formatted properly (see below).

	<i>Name</i>
	<i>Date</i>
	<i>Period</i>
<i>Assignment Name & Number</i>	

D. Champion Points

Throughout the quarter, special in-class and out-of-class activities will be assigned for "Champion Points". Students are responsible for earning 100 champion points each quarter. Roughly 200 Champion Points will be offered each quarter. Champion points earned beyond the initial 100 may be applied to extra homework credit at the teacher's discretion.

III. Rule and Procedures

A. Classroom Environment

Students are expected to be respectful and to be on task. Please treat your fellow students, and your teachers, in the same way that you yourself would like to be treated. Students are also expected to have an open mind, and to be actively engaged in the topics we will be exploring.

B. Positive & Negative Consequences

Positive Consequences

1. Smiles
2. Edible Treat
3. Call to Guardian
4. Surprise

Negative Consequences

1. Verbal Warning
2. Lunch Detention
3. Call to Guardian
4. Referral

C. Absences & Tardies

Students who miss class should speak personally with the teacher to receive the information they need to make up work. Students who are tardy should sign in on the tardy sheet when they arrive in class and quietly take a seat.

D. Hall Pass

Students who wish to leave class should ask the teacher to do so, and sign out using their name and the current time, on the hall pass sheet. Failure to sign out will result in the revocation of your hall pass privileges.

E. Cellphone Use

Cellphones can be a great tool and asset to learning in the classroom. They can also be a distraction. Inappropriate use of a cellphone during class will result in a verbal warning. A second infraction will result in the confiscation of the phone until the end of class. This policy is not meant as a punishment but is meant to reduce in-class distractions.

F. Copying & Cheating

Many assignments and activities require teamwork and cooperation among students, but some do not. Tests, and quizzes are meant to evaluate an individual student's ability, not the ability of other students sitting near them. Any student caught or suspected of cheating will receive a zero on that assignment and further action may be taken on the student who was being copied.