

Maybeck High School
Jim Montgomery
Algebra II Syllabus
September 15, 2010

Grading percentages:

	<u>Possible</u>	<u>Likely</u>
Homework	15-20%	15%
Quizzes	10-20%	15%
Class Activities	10-20%	10%
Chapter Exams	20-40%	40%
Final Exam	15-25%	20%

Homework will be assigned most days (likely more than 90% of the time). Homework assignments are available on the website – labeled “Algebra II Assignments” on <http://maybeckhs.org/Syllabi/index.html>. It will be important for you to try to work problems out on your own. I will allow time at the start of most class periods to review the most difficult problems from the previous assignment. **Quizzes** will not be announced. If you miss a quiz you will not be able to make it up. If your absence is excused it won't count against your grade. **Class Activities** will require you to work cooperatively with your classmates and will involve your ability to support your classmate's learning process. **Chapter Exams** will be scheduled within a week of finishing a chapter. You will have the opportunity to take a new test on a chapter you receive a low test score on, up until the date that we take the next Chapter Exam. The “Retake” Exam may cover more or different material from the chapter. You will receive the grade on the Retake for only your first three. After that your grade will be reduced by 10%. I may refuse you the opportunity to retake a chapter Exam if you have not worked with me outside of class during office hours, math lab or at some other time. The **Final Exam** will test your accumulated knowledge of all the material we cover over the semester.

Materials and Tools:

Pen or pencil will both be fine. Paper, including graph paper, could be needed at any time; please have some on hand for every class. We will explore the material both with and without the aid of technology. Maybeck requires you to have a TI-83 or TI-84 graphing calculator. If you are very comfortable with a similar calculator you may use it but there may be times when I won't be able to show you how to use a new function on your machine and you will be solely responsible to keep up with the class.

Curriculum:

Each Chapter will take us about two weeks to cover. If all goes well we will cover the first seven chapters this semester.

Our Text:

Algebra 2 by Larson, Boswell, Kanold & Stiff and published by McDougal Littell

Topics:

Chapter 1	Equations and Inequalities
Chapter 2	Linear Equations and Functions
Chapter 3	Linear Systems and Matrices
Chapter 4	Quadratic Functions and Factoring
Chapter 5	Polynomials and Polynomial Functions
Chapter 6	Rational Exponents and Radical Functions
Chapter 7	Exponential and Logarithmic Functions
Chapter 8	Rational Functions
Chapter 9	Quadratic Relations and Conic Section
Chapter 11	Data Analysis and Statistics