

# WELCOME TO A-G ALGEBRA 1B - 2012 - Sky Mountain Charter School

**Instructor:** Mrs. Jessica Bingman  
**Phone:** 949-230-2275  
**Course Length:** One Semester  
**Office Hours:** Mondays 9am-12pm

**Course Title:** A-G Algebra 1B  
**Units:** 5  
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**Course Description:** A-G Algebra 1B is the second semester of a one-year course for A-G Algebra 1. This course is designed to ensure that you progress through A-G Algebra 1 prior to the end of the school year easily and effectively while meeting the requirements for graduation from Sky Mountain Charter School and is aligned with the California Content Standards for Algebra 1. This course is also designed to give students adequate preparation to succeed in Geometry and to give students a solid foundation in mathematics. It is also my hope to help students gain an appreciation for the usefulness and wonder of mathematics.

## Course Objectives for A-G Algebra 1B:

Students will understand the following concepts through a variety of possible activities including but not limited to: individualized instruction, text and workbook practice exercises, online exercises, problem solving, calculator exercises, group work, interactive sites, quizzes, unit tests, midterm and final exams.

- Lesson 1: Polynomials (7-1 to 7-2)
- Lesson 2: Polynomials (7-3 to 7-4)
- Lesson 3: Polynomials (7-5 to 7-7)
- Lesson 4: Factoring (8-1 to 8-2)
- Lesson 5: Factoring (8-3 to 8-4)
- Lesson 6: Factoring (8-5 to 8-6)
- Lesson 7: Quadratic and Exponential Functions (9-1 to 9-3)
- Lesson 8: Quadratic and Exponential Functions (9-4 to 9-6)
- Lesson 9: Radical Expressions and Triangles (10-1 to 10-3)
- Lesson 10: Radical Expressions and Triangles (10-4 to 10-6)
- Lesson 11: Rational Expressions and Equations (11-1 to 11-3)
- Lesson 12: Rational Expressions and Equations (11-4 to 11-6)
- Lesson 13: Rational Expressions and Equations (11-7 to 11-9)
- Lesson 14: Statistics and Probability (12-1 to 12-2)
- Lesson 15: Statistics and Probability (12-3 to 12-4)
- Lesson 16: Statistics and Probability (12-5 to 12-6)
- Lesson 17: Semester Review/FINAL

## Curriculum:

This course is designed to explore one of the above Lessons each week, using the following textbook and supplemental activities found on the text website. The final week of the semester will constitute review and final. Please follow the pacing guide to insure you will stay on track this semester.

*Student Textbook: Algebra 1, Glencoe McGraw-Hill, 2008. ISBN: 9780078738227*

*Teacher's Edition: Algebra 1, Glencoe McGraw-Hill ISBN: 9780078738241*

You can also access additional resources at [http://glencoe.mcgraw-hill.com/sites/0078738229/student\\_view0/](http://glencoe.mcgraw-hill.com/sites/0078738229/student_view0/)

This text offers Graphing Calculator exercises, and most all graphing calculators can be used. However, I recommend the TI-83 Graphing Calculator. (TI=Texas Instruments) Also, non-graphing calculators can be used for the majority of what needs to be done via calculator in this text. (Calculators can be purchased through Office Depot)

## Grades:

100-90%	A	Your ES will help determine your grade on assignments using the following percentage grading scale. The course grade will consist of daily work/weekly assessments, quizzes, unit tests, a midterm and final. I will assign the final semester grade based on the below guidelines.
80-89%	B	
70-79%	C	
60-69%	D	
Below 60%	F	

\*\*you can access the Chapter Tests at [http://glencoe.mcgraw-hill.com/sites/0078738229/student\\_view0/](http://glencoe.mcgraw-hill.com/sites/0078738229/student_view0/)

Please print out your score for each Chapter Test to provide to your ES at your ES meetings. You should also have all classwork/homework available at each meeting so your ES can give you credit for completion of work. Please see Curriculum Guide for more specific details and assignments.

Course Assignment	Percentage of Course
Daily Classwork/Homework	45%
Quizzes and Chapter Test	25%
Midterm	10%
Final	20%

Please do not hesitate to call or email me with any questions. My goal is to work with you and your ES to help you have a successful semester in A-G Algebra 1B!

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