

August 2011 – May 2012
10:30-11:30am

Kingdom Builders Homeschool Cooperative
www.kingdombuilderscoop.com

Algebra II

Course Description

The purpose of this course is to provide instruction on Algebra II material and help students remain consistent in covering material over the year. An average of 5 lessons will be covered every week. The student will be assigned weekly homework, an average of 5-7 hours per week, from the recommended text.

Course Expectations

- Homework: Practice sets from each lesson
- Set III is optional, as needed for extra practice
- Chapter Tests (taken at home, graded in class)
- Test corrections (completed at home, graded in class)
- Class notes
- Class participation

The key to succeeding in this course is paying attention to instruction in class, taking thorough class notes, completing all assignments, and correcting missed problems on homework and tests. If a student is having difficulty succeeding, extra practice or additional one-on-one instruction may be the solution. *If a student makes less than 80 on a test, the student will be required to correct the test and gain half-credit for each one corrected (work must be shown).*

Grading Scale

Tests	75%
Homework	20%
Participation	5%

Required Materials

- Algebra II: A Teaching Textbook*
- Algebra II: A Teaching Textbook solutions manual & test bank*
- Spiral notebook w/ perforated pages or 3-ring binder w/ paper
- Lots of pencils (no pens)
- Big eraser
- Graphing or Scientific calculator, preferably TI-83 or better (or TI-30)
- Pastel colored index cards, w/ or w/out lines

BRING ALL OF THE ABOVE TO CLASS EACH FRIDAY

Main Course Objectives

- To solve polynomial equations and inequalities
- To simplify complex algebraic terms
- To solve systems of polynomial equations
- To solve multi-variable equations
- To determine combinations & probabilities
- To use matrices to solve systems of equations

Course Prerequisites

- Algebra I

Teacher Contact:

Misty Brower
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843-368-6017 (cell)
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Please note that we are meeting on Fridays. The expectation is that the student will have read and completed assignments prior to coming to class. **This includes the first week of class.**

Week 15 (December 12th -January 13, 2012) Ch. 8 Imaginary and Complex Numbers

Complete Lessons 52-59 over the break and come to class on the 13th ready to review

Fri Chapter 8 Review

Week 16 (January 20, 2012) Ch. 9 Solving High Degree Equations

Mon –Thurs Take Chapter 8 Test and complete lessons 60-63

Fri Review

Week 17 (January 27, 2012) Ch. 9 Solving High Degree Equations

Mon – Thurs Complete lessons 64-67

Fri Review Ch. 9

Week 18 (February 3, 2012) Ch. 10 First-Degree Equations with Two Variables

Mon – Thurs Take Chapter 9 Test and complete lessons 68-71

Fri Review

Week 19 (February 10, 2012) Ch. 10 First-Degree Equations with Two Variables

Mon - Thurs Complete Lessons 72-76

Fri Review Ch. 10

February 17th Teen Pact Break

Mon – Fri Take Ch. 10 Test and complete lessons 77-78

Week 20 (February 24, 2012) Chapter 11 Second-Degree Equations with Two Variables

Mon - Thurs Complete Lessons 79-82

Fri Review

Week 21 (March 2, 2012) Chapter 11 Second-Degree Equations with Two Variables

Mon – Thurs Complete lessons 83-86

Fri Review Chapter 11

Week 22 (March 9, 2012) Chapter 12 Equations with Three or More Variables

Mon – Thurs Take Chapter 11 Test and complete lessons 87-89

Fri Review

Week 23 (March 16, 2012) Chapter 12 Equations with Three or More Variables

Mon - Thurs complete lessons 90-83

Fri Review Chapter 12

Week 24 (March 23, 2012) Chapter 13 Working with Several Variables

Mon – Thurs Take Chapter 12 Test and complete lessons 94-96

Fri Review

Week 25 (March 30, 2012) Chapter 13 Working with Several Variables

Mon – Thurs Complete lessons 97-101

Fri Review Chapter 13

April 6th Easter Break

Take Chapter 13 Test

Week 26 (April 13, 2012) Chapter 14 Systems of Equations

Mon – Thurs Complete lessons 102-106

Fri Review

Week 27 (April 20, 2012) Chapter 14 Systems of Equations

Mon – Thurs Complete lessons 107-111

Fri Review Chapter 14

Week 28 (April 27, 2012) Chapter 15 Inequalities

Mon – Thurs Take Chapter 14 Test and complete lessons 112-115

Fri Review

May 4th GHEA Break Chapter 16 Absolute Value

Mon – Fri Complete lessons 116-121

Week 29 (May 11, 2012)

Mon – Thurs Complete lessons 122-125

Fri Review Chapters 15 and 16

Week 30 (May 18, 2012)

Mon – Thurs Take Chapter 15 and 16 Tests

Friday May 18, 2012 Last Day of Class, End of Session