

CHINESE CHRISTIAN SCHOOLS
COURSE SYLLABUS
ALGEBRA I
2010-2011
Mrs. Margo Lim
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COURSE DESCRIPTION

This is a one year course in algebra that includes solving equations, transforming polynomials by adding, subtracting, multiplying, dividing, and factoring. An introduction to quadratic functions, solving systems of linear equations and inequalities, a look at rational and irrational numbers is also major topics. We will also touch on probability, statistics, geometry and trigonometry.

COURSE REQUIREMENTS

Required Textbook and Online Program:

Algebra, Structure and Method, Book 1 (The Classic) by Brown and Dolciani
ISBN# 978-0-618-04430-6

ALEKS, an online learning and assessment system

Course Outline:

First Semester: Chapter 1 – Introduction to Algebra
Chapter 2 – Working with Real Numbers
Chapter 3 – Solving Equations and Problems
Chapter 4 – Polynomials
Chapter 5 – Factoring Polynomials
Chapter 6 – Fractions
Chapter 7 – Applying Fractions

Second Semester: Chapter 8 – Introduction to Functions
Chapter 9 – Systems of Linear Equations
Chapter 10 – Inequalities
Chapter 11 – Rational and Irrational Numbers
Chapter 12 – Quadratic Functions

Required Materials:

1. 8 ½ " by 11" college ruled binder paper and graphing paper
2. 3-ring binder to organize papers
3. #2 lead pencils and erasers
4. Green or red pens for correcting papers

HOMEWORK

The purpose of homework is to provide an opportunity to think about the principles taught in the classroom. The following rules apply to homework as well as other assignments:

1. Students will be asked to discuss certain questions in class on the due date.
2. Late homework will be accepted after the due date up to one week with up to a 50% deduction. Exceptions may be discussed with the teacher.
3. Students who have an excused absence should turn in missing homework within five school days. Exceptions may be discussed with the teacher.

QUIZZES

1. No makeup for the first missed quiz. It will be excused.
2. Students who have not missed any quizzes during the quarter may drop their lowest quiz score before averaging for that quarter.
3. A quiz has half the value of a test.

TESTS

1. Excused students must make-up any test missed.

GRADING

Homework and Assignments	20%
Quizzes and Tests	80%

SEMESTER GRADE

Quarter 1 - 40%	Quarter 2 - 40%	Final Test - 20%
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