



Carrollton Christian Academy

2205 East Hebron Parkway
Carrollton, Texas 76010
www.ccasaints.org

Class Syllabus – 2009-10

Instructor: Tim Fisher
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(Use E-mail if possible)
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Planning Period: 7

Title of Course: Algebra 1
Grade Level: 8-9
Semester: Fall 2009, Spring 2010
Period: 5,6
Tutoring Period: by appointment

CCA Mission Statement: To build future leaders through Christ centered academics, athletics and fine arts, who choose character before career, wisdom beyond scholarship, service before self, and participation as a way of life.

Biblical Integration of Faith and Learning: Teaching God's truth through academics. Students will learn how to integrate God's Word into a variety of historical elements. Discussions will include Christian principles and ethical applications that are relevant to the units of study.

Course Description: This course is designed to lay the algebraic foundation needed for further courses while bringing the subject to life through various real-life applications.

Course Objectives: At the end of this course you will be prepared to succeed in the second semester of Algebra 1. This means you will be able to apply, evaluate, and graph systems of equations and various types of functions such as exponential, polynomial, and linear functions.

Course Resources:

- * Textbook: Algebra 1, McDougal Littell
- * Algebra 1 Resource Book (Chapter by chapter resource by McDougal Littell)
- * Calculator Policy: The recommended calculator for Algebra 1 at CCA is a solar powered scientific calculator such as a TI-30. Calculators will be used to work certain problems as determined by the teacher based on the appropriateness of that use of technology. Graphing calculators are **not** necessary in Algebra 1.
- *You need to have loose-leaf paper (**not spiral bound**) for your homework. You will also need graph paper, pencils, and an eraser.

Grading: Your six-weeks grade will be calculated by the following process:

- 50% Tests (approximately 2 tests per grading period)
- 30% Quizzes (approximately 3 – 4 quizzes per grading period)
- 20% Homework, class work, and class participation

Your semester grade will be determined by:

- 20% Semester exam
- 80% Average of three six weeks grading periods

Classroom Rules/Expectations:

1. All students are expected to be attentive and ready to do class work at the beginning of each period. During the first part of each class some time can be spent on clarification of homework problems, as necessary.
2. Working in class is expected.
3. Homework is due as indicated.
4. Students are expected to take an active (not passive) role in their mathematical education. Questions and discussions are expected and encouraged.
5. Students are expected to conduct themselves in a manner consistent with those precepts outlined in the Student Handbook, i.e. don't talk out of turn, chew gum or eat, write in the textbook, or otherwise be impolite.
6. Students are expected to remain in the classroom throughout the entire period.

Areas of Study/Assessment:

1st six weeks

Connections to Algebra
Properties of Real Numbers

2nd six weeks

Solving Linear Equations
Graphing Linear Equations and Functions

3rd six weeks

Writing Linear Equations
Solving and Graphing Linear Inequalities

4th six weeks

Systems of linear equations and inequalities
Exponents and exponential functions

5th six weeks

Quadratic equations and functions
Polynomials and factoring

6th six weeks

Rational equations and functions
Radicals and connections to geometry