

FAME Public Charter School
Course Description
Pre-Algebra

Description:

This course prepares students for a first year Algebra course. It serves as a transition from arithmetic to algebra. Coursework includes a review of the concepts of arithmetic and an introduction to variable, expressions and equations, proportion, percent, and equations and inequalities and their graphs. It will help students automate the use of fractions, mixed numbers, and decimal numbers in all operations. It will also present procedures for solving simple word problems. The concepts of area, percent, ration, and order of operations are introduced.

Objectives:

- *Provide study into the different algebraic operations
- *Understand fractions; whole number components, common denominators, and absolute value
- *Learn the principles of algebraic equations
- *Learn beginning functions of geometry
- *Collect, organize, and represent data sets with one or more variables

Key Assignments and Assessment:

Unit by Unit problem Sets
End of Chapter Tests
Final Examination

Grading Scale:

20%
60%
20%

Curriculum:

May be selected from the following:

- *Textbook: Saxon Algebra ½, 2001.
- *Textbook: Mathematics Concepts and Skills, Course 2, McDougal-Littell
- *Textbook: Pre-Algebra, Prentice-Hall
- *Textbook: Pre-Algebra, An Integrated Transition to Algebra and Geometry, Glencoe
- *North Dakota Independent Study, Pre-Algebra, semester 1 and 2
- *Laurel Springs, Pre Algebra or Basic Algebra Text course 9-12th grades

This is a one-year course, 5 credits each semester will be awarded with a passing grade.

Revised 10/6/06