

CURRICULUM SYLLABUS

CURRICULUM AREA: Math

COURSE TITLE: Course 1

GRADE LEVEL: 6

COURSE DESCRIPTION:

This program begins with operations of whole numbers prior to a review of decimals, then presents and develops the concepts of adding, subtracting, multiplying and dividing fractions. Customary and metric measurements are briefly discussed with greater emphasis on number sense and geometry. Students will become familiar with new problems solving strategies and how to implement them in given situations.

COURSE EXPECTATIONS/GOALS/BENCHMARKS/OBJECTIVES:

- Multiply and divide fractions
- Represent rational numbers as fractions or decimals
- Add or subtract integers and rational numbers
- Find equivalent ratios
- Solve decimal, percent and rational number story problems
- Use exponents
- Understand rational numbers and the location on a number line
- Calculate rate
- Graphing in the coordinate plane
- Use variables, write expressions and solve equations and combine like terms
- Convert within measurement systems
- Find volume and surface area
- Understand concept of congruence and basic transformations
- Construct geometric shapes
- Data and Probability

COURSE TEXTBOOKS/MATERIALS:

- Prentice Hall Mathematics Course 1
- Supplementary material and manipulatives

MAJOR COURSE ASSIGNMENTS/REQUIREMENTS:

Daily math work

GRADING AND ASSESSMENTS (TESTS AND QUIZZES):

- Grades are based on assignments, both class work and homework, quizzes, tests, projects and activities

HOMEWORK:

- Assignments given on a daily basis for possible completion as homework
- Time completion will vary based on student's individual work habits and skill level

OTHER IMPORTANT INFORMATION:

- Mastery of basic addition, subtraction, multiplication, and division facts
- Mastery of whole numbers