

CURRICULUM SYLLABUS

CURRICULUM AREA: Math

COURSE TITLE: Course 2

GRADE LEVEL: 7

COURSE DESCRIPTION:

The content of this course includes integer operations, rates, ratios and proportions. The students work with percent applications and exponents. Estimation skills are maintained. Students continue using models, tables, graphs and symbolic notation with order of operations and variables. They work with geometry and data analysis. They are introduced to solving two-step equations, working with like terms, and interpreting slope in linear functions. Measurement and problems solving are also concepts learned in this course.

COURSE EXPECTATIONS/GOALS/BENCHMARKS/OBJECTIVES:

- Operations with decimals, fractions, integers
- Solving equations with one and two steps
- Ratios, rates, and proportions
- Converting fractions, percents, and decimals
- Understand basic geometric terms and show comprehension through application
- Calculate area, surface area, and volume of two and three dimensional figures
- Display and analyze data
- Patterns and rules
- Graphing in the coordinate plane
- Linear equations
- Probability
-

COURSE TEXTBOOKS/MATERIALS:

- Prentice Hall Mathematics Course 2
- Supplementary material and manipulatives

MAJOR COURSE ASSIGNMENTS/REQUIREMENTS:

- Projects
- Journal/Graphic Organizers
- Daily Assignments
-

GRADING AND ASSESSMENTS (TESTS AND QUIZZES):

- Daily assignments given least point value
- Cooperative group work similar to daily assignment point value
- Quizzes and tests are weighted more than daily work per teacher preference
- Projects are weighted similar to tests and quizzes

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
- Scientific calculator required