

**COURSE DESCRIPTION
SIXTH/SEVENTH GRADE
MATH COURSE 2**

Philosophy Statement: Mathematics instruction has four main functions. First, it equips students to function effectively in an ever-changing world by becoming proficient in computational and communication skills. Second, it enables students to understand and apply mathematical concepts in everyday life. Third, it develops higher-order thinking skills necessary to make a contribution in related fields of study, research, and technology. Finally, it clearly illustrates the order and structure of the world God created.

Objectives: Students will solve problems using positive and negative numbers, percent and positive irrational numbers. They will write and solve equations, draw diagrams, measure, find patterns, and analyze data. In addition, students will continue to develop study skills, including note-taking, test-taking, and the correct use of the answers given in the back of the textbook.

Textbook: Mathematics Applications and Concepts: Course 2
(Glencoe Mathematics, California Edition)

Course Content: Chapter 1: Decimal patterns and Algebra
Chapter 2: Statistics: Analyzing Data
Chapter 3: Algebra: Integers
Chapter 4: Algebra: linear equations and Functions
Chapter 5: Fractions, Decimals, and Percents
Chapter 6: Applying Fractions
Chapter 7: Ratios and Proportions
Chapter 8: Applying Percent
Chapter 9: Probability
Chapter 10: Geometry
Chapter 11: Geometry: Measuring Two-Dimensional Figures
Chapter 12: Geometry: Measuring Three-Dimensional Figures

Areas to be Evaluated: Classwork, Homework, Quizzes, Tests, IXL (Interactive Internet Math Program)