

**COURSE DESCRIPTION**  
**SIXTH GRADE**  
**MATH COURSE 1**

**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 use of their notebook.

**Textbook:** Mathematics Applications and Concepts: Course 1  
(Glencoe Mathematics, California Edition)  
IXL - Online Math Platform

**Course Content:** Chapter 1: Number Patterns and Algebra  
Chapter 2: Statistics and Graphs  
Chapter 3: Adding and Subtracting Decimals  
Chapter 4: Multiplying and Dividing Decimals  
Chapter 5: Fractions and Decimals  
Chapter 6: Adding and Subtracting Fractions  
Chapter 7: Multiplying and Dividing Fractions  
Chapter 8: Algebra: Integers  
Chapter 9: Algebra: Solving Equations  
Chapter 10: Ratio, Proportion, and Percent  
Chapter 11: Probability  
Chapter 12: Measurement  
Chapter 13: Geometry: Angles and Polygons  
Chapter 14: Geometry: Measuring Area and Volume

**Areas to be Evaluated:** Classwork, Homework, Tests, Quizzes