

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 B.R.A.I.N. notebook.

Textbook: Mathematics Applications and Concepts: Course 1
(Glencoe Mathematics, California Edition)

Time Allotment: 60 minutes per day, 5 days per week

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:

- Class Work
- Homework
- Tests/ Quizzes
- Class Participation

Additional Activities: Students have the opportunity to be selected as a BCS representative for the Association of Christian Schools International (A.C.S.I.) Math Olympics in the area of computation or reasoning. Manipulative math games, puzzles, patterns, etc.