

6th Grade Mathematics

Course Description and Philosophy

The sixth grade mathematics program is designed to involve all students in a comprehensive understanding of mathematics. The program focuses on higher-order thinking skills and logical reasoning through a problem of the day.

Certain aspects of the curriculum include decimals, fractions, ratios, proportions, geometry, percents, integers and problem solving. All areas of the curriculum are enriched with technological support via the Smart Board and computers.

The program offers diverse instructional techniques, which include but are not limited to problem based learning, to-do sheets, individual and whole class instruction and group work.

These areas are explored on a horizontal expansion, which includes an opportunity for students to compete in various competitions held throughout the year. Overall, students will have a comprehensive knowledge base through a variety of learning to prepare them for seventh grade math.

Text Reference:

Boswell, Laurie, Kanold, Timothy, Larson, Ron and Stiff, Lee, Passport to Mathematics, Book 2, 1999, Mc Dougall Littell, Evanston, Illinois

Written: July, 2007

Unit I: Number Relationships