

Fifth Grade Math Syllabus  
2011 – 2012

Instructor

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Course Description

Experiences in fifth-grade math are designed to strengthen problem-solving skills, to sharpen number sense, and to develop mastery in whole-number computation. Students are encouraged to look for connections, to see patterns, and to appreciate the role math plays in real-life situations. Students learn to communicate with precise math vocabulary and discuss their thinking. Students practice good math work habits such as proper sequencing of steps, neatness, and careful reading. Materials management, organization, and efficient use of resources are encouraged.

Course Benchmarks

Develop mathematical reasoning to support skill development and conceptual understanding

Exhibit persistence, flexibility, and appropriate independence when solving problems

Organize mathematical thinking by following logical steps and proper technique

Compute fluently with whole numbers

Methods of Instruction

A variety of teaching methods promote active participation, understanding, and retention of the concepts. These methods include teacher modeling, class discussion, multi-media, lecture, partner and small group work, and the use of manipulatives. Students are encouraged to work together and to discuss mathematics.

Course Materials

Required textbook: *EnVision Math*

Assessments

In order to obtain an accurate picture of student understanding, a variety of forms of evaluation are employed. These include daily homework, formal and informal assessments, quizzes, and tests. Grades and student progress on benchmarks are reported at the end of each trimester.

Projected Course Schedule

Unit 1 Place Value

Unit 2 Whole Number Operations

Unit 3 Decimal Operations

Unit 4 Fraction Concepts

Unit 5 Fraction Operations

Unit 6 Geometry

Unit 7 Measurement