

## **Fourth and Fifth Grade Mathematics**

Grades four and five have fully implemented the Everyday Math program. Everyday Math promotes factual and conceptual learning through numerous daily activities. This variety of activities addresses the different learning styles of each student providing him or her with an optimal learning environment. Instructors use learning experiences that are either hands-on or based in real life situations along with more traditional algorithm instruction. Students develop a deeper level of mathematical reasoning through a variety of algorithms and problem-solving strategies that allow each student to succeed using a method that best suits his or her strengths.

### **Areas of Study - 4<sup>th</sup> Grade**

- Naming and Constructing Geometric Figures
- Using Numbers and Organizing Data
- Multiplication and Division; Number Sentences and Algebra
- Decimals and Their Uses
- Big Numbers, Estimation, and Computation
- Division; Map Reference Frames; Measures of Angles
- Fractions and Their Uses; Chances and Probability
- Perimeter and Area
- Fractions, Decimals, and Percents
- Reflections and Symmetry
- 3-D Shapes, Weight, Volume, and Capacity
- Rates

### **Areas of Study - 5<sup>th</sup> Grade**

- Number Theory
- Estimation and Computation
- Geometry Explorations
- Division
- Fractions, Decimals, and Percents
- Using Data; Addition and Subtraction of Fractions
- Exponents and Negative Numbers
- Fractions and Ratios
- Coordinates, Area, Volume, and Capacity
- Using Data; Algebra Concepts and Skills
- Volume
- Probability, Ratios, and Rates

Cementing knowledge even further, a battery of games is used as a form of mathematical practice. These games not only provide friendly competition but spark life into each math lesson. Everyday Math is a spiraling system that exposes students to several concepts at time and then continuously reinforces them throughout the year. End of unit assessments, which cover both past and present material, provide important feedback and help tailor future study for the group or an individual.

### **Areas of Study - Advanced Program**

Students that show exceptional skill in mathematical reasoning can be placed in an advanced group setting. This group of like-minded students works with above grade level material, but at a much faster pace. Students work through sections of the Everyday Math program, but also explore individual challenges. In essence the advanced program is based on the needs of the unique characteristics of each student, allowing them to flourish mathematically.