

# Hope Township School Mathematics

## Measurable Expectations

### 5th Grade

#### Grade Level Goals:

- ◇ Create, interpret and evaluate numerical expressions containing grouping symbols
- ◇ Solve problems with multiple operations using the order of operations
- ◇ Generalize and extend patterns that follow a given rule and express results verbally, algebraically, or as ordered pairs on a coordinate plane
- ◇ Multiply and divide whole numbers and decimals by powers of 10
- ◇ Read, write and compare decimals to the thousandths in standard, word, and expanded form
- ◇ Round decimals to any place
- ◇ Fluently multiply multi-digit whole numbers
- ◇ Divide four digit by two digit numbers
- ◇ Add, subtract, multiply decimals to hundredths
- ◇ Add and subtract unlike fractions and mixed numbers
- ◇ Multiply and divide fractions
- ◇ Choose and convert appropriate units of measure
- ◇ Organize, interpret and create bar graphs and line graphs applying appropriate scale for given data
- ◇ Recognize volume as an attribute of solid figures
- ◇ Find volume of rectangular prisms by packing with unit cubes and applying formula
- ◇ Graph points in first quadrant of coordinate plane
- ◇ Classify 2 dimensional figures in a hierarchy based on properties and common attributes

#### Mission Statement

Hope Township School, in cooperation with our community, values the importance of a supportive, challenging education for all students delivered through an effective, contemporary curriculum that meets or exceeds the Common Core State Standards and the New Jersey Core Curriculum Content Standards. By fostering communication and respect in a positive educational environment, all children can realize their potential.

#### Common Core Standards 5th Grade Overview:

- **Operations and Algebraic Thinking**
- **Number and Operations in Base Ten**
- **Number and Operations—Fractions**
- **Measurement and Data**
- **Geometry**
- **Mathematical Practices**