

## **KINDERGARTEN MATHEMATICS**

The purpose of the Kindergarten Math program is to provide the kindergarten children with daily exposure to age-appropriate math concepts and operations. A multi-sensory approach is used to make basic abstract math concepts familiar, concrete, and relevant.

### **Number Concepts**

Students will:

- Identify numbers 0-30
- Identify numerals 0-30
- Learn correct written formation of numerals 0-30
- Will be able to rote count to 100
- Will be able to count to 100 by 10's, 5's
- Will be able to count to 20 by 2's

### **Positions & Patterns**

Students will:

- Top, Middle, Bottom
- Inside, Outside
- Before, After, Between
- Be able to extend color patterns
- Extend shape patterns
- Create patterns using manipulatives

### **Shapes & Sorting**

Students will:

- Identify circle, square, rectangle, triangle, oval
- Build pictures using shapes
- Alike and different
- Sorting by size, shape and color

### **Measurement**

Students will:

- Compare height
- Compare length
- Compare weight
- Compare capacity
- Compare size and shape
- Compare more/less
- Make graphs

### **Money and Time**

Students will:

- Identify penny, nickel, dime, quarter
- Tell time on the hour and half hour

- Learn the days of the week
- Learn the months of the year
- Use a daily calendar

### **Computation**

Students will:

- Explore the concept of addition
- Explore the concept of subtraction
- Build addition and subtraction sentences

### **Materials**

- **Houghton Mifflin**
- **Manipulatives**
- **E.D Hirsch Core Knowledge Curriculum**
- **Library Materials**
- **Computer**
- **Videos**
- **Weekly Reader**

### **Instruction**

- Large group instruction
- Small group instruction
- Cooperative learning
- Story telling

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