



# Yearly Overview Elementary Math Third Grade

2020-2021

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Students will use the following process skills to engage with the third grade content throughout the school year.

- Applying mathematics to problems arising in everyday life
- Using a problem solving model
- Select tools and techniques to solve problems
- Communicating mathematical ideas
- Create and use representations
- Analyze mathematical relationships to connect and communicate mathematical ideas
- Display, explain, and justify mathematical ideas
- Use precise mathematical language

## Term 1

- **Place Value**
  - Use objects, pictures, numbers (expanded notation) to compose and decompose numbers to 100,00
  - Relationships in the base-10 place value system
  - Compare and order numbers up to 100,00
- **Addition and Subtraction**
  - Solve one-step and two-step problems
  - Represent one-step and two-step problems
- **Rounding/Estimation**
  - Round whole numbers using a number line
  - Estimate solutions using rounding or compatible numbers

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## Term 2

- **Money**
  - Determine the value of a collection of coins and bills
- **Multiplication**
  - Determine the number of objects with grouped or in arrays up to 10 by 10
  - Represent multiplication facts using variety of approaches
  - Recall facts to multiply up to 10 by 10
- **Multiplication & Division**
  - Determine the number of objects with grouped or in arrays up to 10 by 10
  - Represent multiplication facts using variety of approaches
  - Recall facts to multiply up to 10 by 10 and related division fact
  - Multiply a two-digit number by a one-digit number
  - Solve one-step and two step problems within 100
  - Represent problems with arrays, diagrams or equations
  - Comparing fractions with same numerator or denominator



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## Term 3

- **Fractions**
    - Represent fractions
    - Compose and decompose fractions
    - Solve problems involving portioning or sharing among two or more
    - Equivalent fractions
    - Comparing fractions with same numerator or denominator
  - **Relationship Tables**
    - Represent real world relationships in a table
  - **Geometry**
    - Classify and sort two- and three dimensional figures
    - Use attributes to recognize examples of quadrilaterals
  - **Perimeter & Area**
    - Determine the perimeter of a polygon
    - Determine the area of a rectangle using rows times number of squares in the row
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## Term 4

- **Data Analysis**
  - Summarize data using frequency tables, dot plots, pictograph or bar graphs
  - Solve one and two step problems using data
- **Measurement**
  - Determine capacity or weight using appropriate units and tools
- **Elapsed Time**
  - Solve problems involving time intervals
- **Personal Financial Literacy**
  - Human capital/labor/income
  - Scarcity
  - Credit
  - Spending and saving decisions