

Third Grade Concepts and Student Outcomes

[District 102 Priority Standards - Third Grade](#)

Unit 1: Multiplication and Division with 0-5, 9, and 10

Student Outcomes - In Grade 3, children will:

- Use properties of multiplication and division and patterns to multiply and divide within 100
- Reach fluency with finding products of single digit numbers and their related quotients
- Solve two-step word problems involving the four operations using a letter for the unknown quantity

[Unit 1 Family Letter](#)

[Unit 1 Overview](#)

[Unit 1 Background](#)

Unit 2: Multiplication and Division with 6s, 7s, and 8s and Multiply with Multiples of 10

Student Outcomes - In Grade 3, children will:

- Use properties of multiplication and division and patterns to multiply and divide within 100
- Reach fluency with finding products of single digit numbers and their related quotients
- Solve two-step word problems involving the four operations using a letter for the unknown quantity

[Unit 2 Family Letter](#)

[Unit 2 Overview](#)

[Unit 2 Background](#)

Unit 3: Measurement, Time, and Graphs

Student Outcomes - In Grade 3, children will:

- Draw scaled picture graphs and bar graphs
- Use number lines to represent time intervals
- Use drawings to represent a problem involving liquid volume and mass
- Make a line plot to record data

[Unit 3 Family Letter](#)

[Unit 3 Overview](#)

[Unit 3 Background](#)

Unit 4: Multidigit Addition and Subtraction

Student Outcomes - In Grade 3, children will:

- Use place value drawings to represent numbers
- Use place value drawings to add and subtract whole numbers
- Explore different methods to add and subtract whole numbers
- Use strategies based on place value, properties, and the relationship between addition and subtraction

[Unit 4 Family Letter](#)

[Unit 4 Overview](#)

[Unit 4 Background](#)

Unit 5: Write Equations to Solve Word Problems

Student Outcomes - In Grade 3, children will:

- Use drawings and equations with a symbol for the unknown number to represent the problem
- Use information presented in scaled bar graphs to solve comparison problems
- Use properties of operations to explain patterns

[Unit 5 Family Letter](#)

[Unit 5 Overview](#)

[Unit 5 Background](#)

Unit 6: Polygons, Perimeter, and Area

Student Outcomes - In Grade 3, children will:

- Recognize attributes of triangles, quadrilaterals, and other polygons
- Decompose polygons into triangles and compose polygons from triangles

- Recognize perimeter and area as attributes of plane figures and find ways to measure both attributes
- Investigate the relationship between perimeter and area
- Solve real world problems involving area, perimeter, and unknown size lengths

[Unit 6 Family Letter](#)

[Unit 6 Overview](#)

[Unit 6 Background](#)

Unit 7: Explore Fractions

Student Outcomes - In Grade 3, children will:

- Understand the meaning of fractions and see that fractions must be equal parts of the same whole
- Build non-unit fractions from unit fractions
- Represent fractions in various ways, including fraction bars, number lines, and fraction strips
- Compare unit fractions and compare fractions with either the same numerator or the same denominator
- Find equivalent fractions

[Unit 7 Family Letter](#)

[Unit 7 Overview](#)

[Unit 7 Background](#)