

Correlation of Mathematics Readers Kindergarten to the Ontario Mathematics Curriculum

OVERALL EXPECTATION

OE.A.

Demonstrate an understanding of number, using concrete materials to explore and investigate counting, quantity, and number relationships;

Correlated Lessons:

The Pet Store, The Toy Store Page 36, 41: Objective 1: Students will count objects with one-to-one correspondence.

OVERALL EXPECTATION

OE.B.

Measure and compare length, mass, capacity, area, temperature of objects/materials, and the passage of time, using non-standard units, through free exploration, focused exploration, and guided activity;

Correlated Lessons:

After School, At School Page 180, 185: Objective 14: Students will measure using nonstandard units.

After School, At School Page Reader: Objective 29: Students will know the common language of measurement (e.g., "big," "little," "long," "short," "light," "heavy")

After School, At School Page Reader: Objective 30: Students will understand the basic measures of length, width, height, and weight.

OVERALL EXPECTATION

OE.C.

Describe, sort, classify, and compare two-dimensional shapes and three-dimensional figures, and describe the location and movement of objects through investigation;

Correlated Lessons:

Around Town, Around Home Page 156, 161: Objective 12: Students will identify and describe shapes.

Around Town, Around Home Page Reader: Objective 26: Students understand basic properties of simple geometric shapes (e.g., number of sides, corner, square corners) and similarities and differences between simple geometric shapes

OVERALL EXPECTATION

OE.D.

Explore, recognize, describe, and create patterns, using a variety of materials in different contexts;

Correlated Lessons:

Recess Time, Games Are Fun Page 132, 137: Objective 10: Students will recognize, describe, and extend patterns.

Number Sense and Numeration

SPECIFIC EXPECTATION

A.1.1.

Investigate the idea that quantity is greater when counting forwards and less when counting backwards [A]

Correlated Lessons:

At the Pond, In the Garden Page 60, 65: Objective 4: Students will count to compare the number of objects in two groups.

At the Pond, In the Garden Page Reader: Objective 23: Students know the common language for comparing quantity of objects (e.g., "more than," "less than," "same as.")

SPECIFIC EXPECTATION

A.1.2.

Investigate some concepts of quantity through identifying and comparing sets with more, fewer, or the same number of objects [A]

Correlated Lessons:

At the Pond, In the Garden Page 60, 65: Objective 4: Students will count to compare the number of objects in two groups.

At the Pond, In the Garden Page Reader: Objective 23: Students know the common language for comparing quantity of objects (e.g., "more than," "less than," "same as.")

SPECIFIC EXPECTATION

A.1.3.

Begin to make use of one-to-one correspondence in counting objects and matching groups of objects [A]

Correlated Lessons:

The Pet Store, The Toy Store Page 36, 41: Objective 1: Students will count objects with one-to-one correspondence.

SPECIFIC EXPECTATION

A.1.4.

Demonstrate understanding of the counting concepts of stable order (that is, the concept that the counting sequence is always the same - 1 is always followed by 2, 2 by 3, and so on) and of order irrelevance (that is, the concept that the number of objects in a set will be the same

regardless of which object is used to begin the counting) [A]

Correlated Lessons:

The Pet Store, The Toy Store Page 36, 41: Objective 1: Students will count objects with one-to-one correspondence.

The Pet Store, The Toy Store Page Reader: Objective 18: Students will count by ones to ten or higher.

SPECIFIC EXPECTATION

A.1.5.

Use, read, and represent whole numbers to 10 in a variety of meaningful contexts [A]

Correlated Lessons:

The Pet Store, The Toy Store, At the Pond, In the Garden, At the Playground, Fun in the Sun Page Reader: Objective 20: Students will understand symbolic, concrete, and pictorial representations of numbers.

The Pet Store, The Toy Store, At the Pond, In the Garden, At the Playground, Fun in the Sun, The Snack Shop, The Bakery Page Reader: Objective 19: Students will understand that numerals are symbols used to represent quantities or attributes.

The Snack Shop, The Bakery Page Reader: Objective 21: Students will understand symbolic, concrete, and pictorial representations of numbers (e.g., written numerals, objects in sets, number lines).

SPECIFIC EXPECTATION

A.1.7.

Demonstrate an understanding of number relationships for numbers from 0 to 10, through investigation [A]

Correlated Lessons:

At the Pond, In the Garden Page 60, 65: Objective 4: Students will count to compare the number of objects in two groups.

At the Pond, In the Garden Page Reader: Objective 23: Students know the common language for comparing quantity of objects (e.g., "more than," "less than," "same as.")

SPECIFIC EXPECTATION

A.1.12.

Investigate addition and subtraction in everyday activities through the use of manipulative, visual models, or oral exploration [A]

Correlated Lessons:

At the Pond, In the Garden, Recess Time, Games Are Fun Page Reader: Objective 22: Students will use whole number models (e.g., pattern blocks, tiles, or other manipulative materials) to represent problems.

The Snack Shop, The Bakery Page Reader: Objective 25: Students will draw pictures to represent problems.

Measurement

SPECIFIC EXPECTATION

B.2.1.

Compare and order two or more objects according to an appropriate measure, and use measurement terms (e.g., hot/cold for temperature) [B]

Correlated Lessons:

After School, At School Page Reader: Objective 29: Students will know the common language of measurement (e.g., "big," "little," "long," "short," "light," "heavy")

SPECIFIC EXPECTATION

B.2.2.

Demonstrate awareness of non-standard measuring devices and strategies for using them [B,A]

Correlated Lessons:

After School, At School Page 180, 185: Objective 14: Students will measure using nonstandard units.

After School, At School Page Reader: Objective 30: Students will understand the basic measures of length, width, height, and weight.

SPECIFIC EXPECTATION

B.2.3

Demonstrate, through investigation, a beginning understanding of the use of non-standard units of the same size [B,A]

Correlated Lessons:

After School, At School Page 180, 185: Objective 14: Students will measure using nonstandard units.

After School, At School Page Reader: Objective 30: Students will understand the basic measures of length, width, height, and weight.

Geometry and Spatial Sense

OVERALL EXPECTATION

C.3.1.

Explore, sort, and compare traditional and non-traditional two-dimensional shapes and three-dimensional figures [C]

Correlated Lessons:

Around Town, Around Home Page 156, 161: Objective 12: Students will identify and describe shapes.

Around Town, Around Home Page Reader: Objective 26: Students understand basic properties of simple geometric shapes (e.g., number of sides, corner, square corners) and similarities and differences between simple geometric shapes

Patterning

OVERALL EXPECTATION

D.4.1.

Identify, extend, reproduce, and create repeating patterns through investigation, using a variety of materials and actions [D]

Correlated Lessons:

Recess Time, Games Are Fun Page 132, 137: Objective 10: Students will recognize, describe, and extend patterns.