Correlation of Mathematics Readers Grade 1 to the Alberta Mathematics Program of Studies

Number: Develop number sense.

OUTCOME
1.1.1.
Say the number sequence 0 to 100 by: 1s forward between any two given numbers; 1s backward from 20 to 0; 2s forward from 0 to 20; 5s and 10s forward from 0 to 100. [C, CN, ME, V]

Correlated Lessons:
Celebrate 100 Days, Party Time, A Year in Our Lives, A Day in Our Lives Page 36,41 Objective 1 Students count whole numbers (i.e., both cardinal and ordinal numbers)

OUTCOME
1.1.3.
Demonstrate an understanding of counting by: indicating that the last number said identifies "how many"; showing that any set has only one count; using the counting-on strategy; using parts or equal groups to count sets. [C, CN, ME, R, V]

Correlated Lessons:
Celebrate 100 Days, Party Time, A Year in Our Lives, A Day in Our Lives Page 36,41 Objective 1 Students count whole numbers (i.e., both cardinal and ordinal numbers)

OUTCOME
1.1.4.
Represent and describe numbers to 20, concretely, pictorially and symbolically. [C, CN, V]

Correlated Lessons:
Celebrate 100 Days, Party Time, A Mountain of Trash, Smile! A Trip to the Dentist, Shopping in the City, Let's Play Page Reader Objective 25 Students understand that numerals are symbols used to represent quantities or real-world objects

Looking for Shapes, Shaping Up, Main Street Animal Shelter, Our Favorites Page Reader Objective 35 Students understands that numerals are symbols used to represent quantities or attributes of real-world objects

Music Around the World, Crafty Kids, Day at the Zoo, Night at the Community Center Page Reader Objective 31 Students use whole number models (e.g., pattern blocks, tiles, or other manipulative materials) to represent problems

OUTCOME

1.1.9.

Demonstrate an understanding of addition of numbers with answers to 20 and their corresponding subtraction facts, concretely, pictorially and symbolically, by: using familiar mathematical language to describe additive and subtractive actions; creating and solving problems in context that involve addition and subtraction; modelling addition and subtraction, using a variety of concrete and visual representations, and recording the process symbolically. [C, CN, ME, PS, R, V]

Correlated Lessons:

Music Around the World, Crafty Kids, Day at the Zoo, Night at the Community Center Page Reader Objective 31 Students use whole number models (e.g., pattern blocks, tiles, or other manipulative materials) to represent problems

Shopping in the City, Let's Play Page 84,89 Objective 7 Students subtract whole numbers

OUTCOME

1.1.10.

Describe and use mental mathematics strategies (memorization not intended), such as: counting on and counting back; making 10; using doubles; thinking addition for subtraction for basic addition facts and related subtraction facts to 18. [C, CN, ME, PS, R, V]

Correlated Lessons:

Shopping in the City, Let's Play Page 84,89 Objective 7 Students subtract whole numbers

Patterns and Relations (Patterns): Use patterns to describe the world and to solve problems.

OUTCOME

1.2.1.

Demonstrate an understanding of repeating patterns (two to four elements) by: describing; reproducing; extending; creating patterns using manipulatives, diagrams, sounds and actions. [C, PS, R, V] [ICT: P2-1.1]

Correlated Lessons:

Looking for Shapes, Shaping Up Page Reader Objective 36 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

Music Around the World, Crafty Kids Page 108,113 Objective 10 Students extend simple patterns (e.g., of numbers, physical objects, geometric shapes)

Music Around the World, Crafty Kids Page Reader Objective 30 Students recognize regularities in a variety of contexts (e.g., events, designs, shapes, sets of numbers)

Music Around the World, Crafty Kids, Looking for Shapes, Shaping Up Page Reader Objective 32 Students understand that patterns can be made by putting different shapes together or taking them apart

Shape and Space (3-D Objects and 2-D Shapes): Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them.

OUTCOME

1.5.3.

Replicate composite 2-D shapes and 3-D objects. [CN, PS, V]

Correlated Lessons:
Music Around the World, Crafty Kids, Looking for Shapes, Shaping Up Page Reader Objective 32 Students understand that patterns can be made by putting different shapes together or taking them apart