

**CURRICULUM
CONNECTIONS**

This section is for educators who want more specific information regarding the Kindergarten Mathematics curriculum for each activity in the Gold Rush to 10 crate

Kindergarten: Table of Knowledge Outcomes¹

Activity	Unit	STS-Knowledge Outcomes
Activity 1: Sorting Animals	Patterns and Relations	SLE 1: Sort objects using a single attribute
	Number Concepts	SLE 1: Count the number of objects in a set (0 to 10) SLE: 2 Build and compare sets of objects and describe relationships among them, using the terms: more than, greater than, fewer than, less than, the same as and equal to (no written symbols)
	Number Operations	SLE 5: Represent the process of addition and subtraction through role playing and the use of manipulatives
Activity 2: Tip to Tail	Shape and Space	SLE 1: Classify and describe linear attributes of objects; e.g., long, short. SLE 2: Arrange objects in order of size, by length or by height
Activity 3: Building Bridges	Number Concepts	SLE 1: Count the number of objects in a set (0 to 10) SLE 2: Build and compare sets of objects and describe the relationships among them, using the terms: more than, greater than, fewer than, less than, the same as and equal to (no written symbols)
	Number Operations	SLE: 5: Represent the processes of addition and subtraction through role playing and manipulatives
Activity 4: Crack the Code	Number Concepts	SLE 4: Explore the representation of single-digit numerals
Activity 5: Wide Wings	Shape and Space	SLE 2: Arrange objects in order of size, by length or by height
Activity 6: Puzzling Pictures	Number Concepts	SLE 4: Explore the representation of single-digit numerals
	Number Operations	SLE 5: Represent the processes of addition and subtraction through role playing and the use of manipulatives

¹ Alberta Education Programs of Study (1996)

Activity 7: Shape Shifters	Shape and Space	SLE 2: Arrange objects in order of size, by length or by height SLE 9: Identify, sort and classify 3-D objects in the environment SLE 10: Describe, and discuss orally, objects, using such words as big, little, round, like a box, like a can SLE 11: Build 3-D objects
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SCIENCE INQUIRY SKILLS

The science skills¹ that the participants are introduced to in *Gold Rush to 10* activities include:

Skills	Description
Focus	Ask questions that lead to exploration or investigation; identify problems to be solved; predict or state hypotheses; consider possible procedures or strategies for inquiry or problem-solving
Explore and Investigate	Identify appropriate materials and equipment; plan and carry out procedures to constitute a fair test; identify variables; attempt a variety of strategies for problem-solving; make observations and accurate records; identify and use a variety of sources of information
Reflect and Interpret	Describe observations using a variety of formats; evaluate procedures and make suggestions for improvements; state inferences and relationships; identify new questions that arise from what was learned.