



Mathology Grade 1 Correlation – Alberta
Patterning Cluster 1: Investigating Repeating Patterns

Organizing Idea:

Patterns: Awareness of patterns supports problem solving in various situations.

Guiding Question: What can patterns communicate? Learning Outcome: Students examine pattern in cycles.				
Knowledge	Understanding	Skills & Procedures	Grade 1 Mathology	Mathology Little Books
A cycle can express repetition of events or experiences.	A pattern that appears to repeat may not repeat in the same way forever.	Identify the pattern core, up to four elements, in a cycle.	Patterning Cluster 1: Investigating Repeating Patterns 1: Repeating the Core	Midnight and Snowfall
Cycles include <ul style="list-style-type: none"> • seasons • day/night • life cycles • calendars 	A cycle is a repeating pattern that repeats in the same way forever.	Create different representations of the same repeating pattern or cycle, limited to a pattern core of up to four elements.	Patterning Cluster 1: Investigating Repeating Patterns 2: Representing Patterns 3: Predicting Elements 4: Consolidation	Midnight and Snowfall
The same pattern can be represented with different elements.		Extend a sequence of elements in various ways to create repeating patterns.	Patterning Cluster 1: Investigating Repeating Patterns 3: Predicting Elements	Midnight and Snowfall
A pattern core is a sequence of one or more elements that repeats as a unit.				