



## Mathology Grade 1 Correlation – Alberta

### Patterning Cluster 2: Creating Patterns

#### Organizing Idea:

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

<b>Guiding Question:</b> What can patterns communicate? <b>Learning Outcome:</b> 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 a missing element in a repeating pattern or cycle.	<b>Patterning Cluster 2: Creating Patterns</b> 7: Errors and Missing Elements	Midnight and Snowfall
Cycles include <ul style="list-style-type: none"> <li>• seasons</li> <li>• day/night</li> <li>• life cycles</li> <li>• calendars</li> </ul>	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.	<b>Patterning Cluster 2: Creating Patterns</b> 5: Extending Patterns	Midnight and Snowfall
The same pattern can be represented with different elements.  A pattern core is a sequence of one or more elements that repeats as a unit.		Extend a sequence of elements in various ways to create repeating patterns.	<b>Patterning Cluster 2: Creating Patterns</b> 5: Extending Patterns 6: Translating Patterns 8: Consolidation	Midnight and Snowfall