Pearson mathology

Mathology Grade 2 Correlation – Alberta
Patterning Cluster 1: Repeating Patterns

Organizing Idea:

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

Guiding Question: How can patterns characterize change?				
Learning Outcome: Students explain and analyze patterns in a variety of contexts.				
Knowledge	**Understanding**	**Skills & Procedures**	**Grade 2 Mathology**	**Mathology Little Books**
Change can be an increase or a decrease in the number and size of elements. A hundreds chart is an arrangement of natural numbers that illustrates multiple patterns. Patterns can be found and created in cultural designs.	A pattern can show increasing or decreasing change. A pattern is more evident when the elements are represented, organized, aligned, or oriented in familiar ways.	Describe non-repeating patterns encountered in surroundings, including in art, architecture, cultural designs, and nature.	**Patterning Math Every Day** 1: Patterns Around Us	Pattern Quest The Best Surprise
		Investigate patterns in a hundreds chart.	**Patterning Cluster 1: Repeating Patterns** 2: Finding Patterns	
		Create and express growing patterns using sounds, objects, pictures, or actions.	**Patterning Math Every Day** 1A: Show Another Way 1A: Patterns Around Us 1B: How Many Can We Make? 1B: Error Hunt	The Best Surprise

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Attributes of elements, such as size and colour, can contribute to a pattern.	A pattern core can vary in complexity.	Create and express a repeating pattern with a pattern core of up to four elements that change by more than one attribute.	**Patterning Cluster 1: Repeating Patterns** 1: Exploring Patterns 3: Extending and Predicting 4: Error and Missing Elements 5: Combining Attributes 6: Consolidation **Patterning Math Every Day** 1A: Show Another Way 1A: Patterns Around Us **Patterning Intervention** 1: Finding the Core 2: Representing Patterns	Pattern Quest