



**Mathology Grade 2 Correlation – Alberta
Geometry Cluster 2: 3-D Solids**

Organizing Idea:

Geometry: Shapes are defined and related by geometric attributes.

Guiding Question: How can shape influence perception of space? Learning Outcome: Students analyze and explain geometric attributes of shape.				
Knowledge	Understanding	Skills & Procedures	Grade 2 Mathology	Mathology Little Books
Common geometric attributes include <ul style="list-style-type: none"> • sides • vertices • faces or surfaces Two-dimensional shapes may have sides that are line segments. Three-dimensional shapes may have faces that are two-dimensional shapes.	Shapes are defined according to geometric attributes. A shape can be visualized as a composition of other shapes.	Sort shapes according to two geometric attributes and describe the sorting rule.	Geometry Cluster 2: 3-D Solids 4: Sorting 3-D Solids 5: 3-D Solids Around Us 6: Consolidation Geometry Math Every Day 2B: Which Solid Does Not Belong? 2B: Solids Around Us Geometry Intervention 3: Sorting Solids 4: Attributes of Solids	I Spy Awesome Buildings Sharing Our Stories

Master 8b

		Relate the faces of three-dimensional shapes to two-dimensional shapes.	<p>Geometry Cluster 2: 3-D Solids 4: Sorting 3-D Solids 5: 3-D Solids Around Us 6: Consolidation</p> <p>Geometry Math Every Day 2A: What Do You See? 2B: Solids Around Us 2B: Which Solid Does Not Belong? 3B: Name the Solid</p>	I Spy Awesome Buildings Sharing Our Stories
		Create a picture or design with shapes from verbal instructions, visualization, or memory.	<p>Geometry Math Every Day 2A: Geometry in Poetry</p>	I Spy Awesome Buildings Sharing Our Stories
<p>A shape can change orientation or position through slides (translations), turns (rotations), or flips (reflections).</p> <p>Shapes can be turned or flipped in the creation of art.</p>	Geometric attributes do not change when a shape is translated, rotated, or reflected.	Describe geometric attributes of two- and three-dimensional shapes in various orientations.	<p>Geometry Cluster 2: 3-D Solids 4: Sorting 3-D Solids</p> <p>Geometry Math Every Day 2A: What Do You See? 2B: Solids Around Us</p> <p>Geometry Intervention 3: Sorting Solids 4: Attributes of Solids</p>	<p><u>Grade 1</u> The Tailor Shop</p>