**Mathology Grade 2 Correlation – Alberta**

**Master 8a**

**Geometry Cluster 2: 3-D Solids**

**Organizing Idea:**

Geometry: Shapes are defined and related by geometric attributes.

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| **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* 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 Solids5: 3-D Solids Around Us6: Consolidation**Geometry Math Every Day**2B: Which Solid Does Not Belong?2B: Solids Around Us**Geometry Intervention**3: Sorting Solids4: Attributes of Solids | I Spy Awesome BuildingsSharing Our Stories |

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|  |  | Relate the faces of three-dimensional shapes to two-dimensional shapes. | **Geometry Cluster 2: 3-D Solids**4: Sorting 3-D Solids5: 3-D Solids Around Us6: Consolidation**Geometry Math Every Day**2A: What Do You See?2B: Solids Around Us2B: Which Solid Does Not Belong?3B: Name the Solid | I Spy Awesome BuildingsSharing Our Stories |
| Create a picture or design with shapes from verbal instructions, visualization, or memory. | **Geometry Math Every Day**2A: Geometry in Poetry | I Spy Awesome BuildingsSharing Our Stories |
| A shape can change orientation or position through slides (translations), turns (rotations), or flips (reflections).Shapes can be turned or flipped in the creation of art. | 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. | **Geometry Cluster 2: 3-D Solids**4: Sorting 3-D Solids**Geometry Math Every Day**2A: What Do You See?2B: Solids Around Us**Geometry Intervention**3: Sorting Solids4: Attributes of Solids | Grade 1The Tailor Shop  |

**Master 8b**