**Mathology Grade 2 Correlation – Alberta**

**Master 1a**

**Geometry Cluster 1: 2-D Shapes**

**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* 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 1: 2-D Shapes**1: Sorting 2-D Shapes2: Exploring 2-D Shapes3: Consolidation**Geometry Math Every Day**1: Comparing Shapes**Geometry Intervention**1: Sorting Shapes2: Analyzing 2-D Shapes | I Spy Awesome BuildingsSharing Our Stories |
| Create a picture or design with shapes from verbal instructions, visualization, or memory. | **Geometry Math Every Day**1: Visualizing Shapes  | 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 1: 2-D Shapes**1: Sorting 2-D Shapes | Grade 1The Tailor Shop  |

**Master 1b**