**Curriculum Correlation**

**Master 14a**

**Geometry Cluster 2: Geometric Relationships**

**Ontario**

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| **Curriculum Expectations** | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **Overall Expectations**  **G1 Geometric Properties:** identify two-dimensional shapes and three-dimensional figures and sort and classify them by their geometric properties  **G2 Geometric Relationships:** compose and decompose two-dimensional shapes and three-dimensional figures  **G3 Location and Movement:** describe and represent the relative locations of objects, and represent objects on a map. | | | |
| **G1.3** identify and describe various three-dimensional figures (i.e., cubes, prisms, pyramids) and sort and classify them by their geometric properties (i.e., number and shape of faces), using concrete materials.  **G1.4** create models and skeletons of prisms and pyramids, using concrete materials (e.g., cardboard; straws and modelling clay), and describe their geometric properties (i.e., number and shape of faces, number of edges).  **G2.1** compose and describe pictures, designs, and patterns by combining two-dimensional shapes.  **G2.2** compose and decompose two-dimensional shapes.  **G2.3** cover an outline puzzle with two-dimensional shapes in more than one way.  **G2.4** build a structure using three-dimensional  figures, and describe the two-dimensional shapes and three-dimensional figures in the structure.  **G3.3** create and describe symmetrical designs using a variety of tools (e.g., pattern blocks, tangrams, paper and pencil). | **Below Grade: Intervention**  5: Covering Outlines  6: Describing Solids  **On Grade: Teacher Cards**  11: Making Shapes (G2.2, G2.3)  12: Building with Solids (G2.4)  13: Visualizing Shapes and Solids (G1.4)  14: Creating Pictures and Designs (G2.1)  15: Covering Outlines (G2.3)  16: Creating Symmetrical Designs (G3.3)  17: Geometric Relationships: Consolidation (G1.4, G2.1, G2.2, G2.3, G2.4, G3.3)  **On Grade: Math Every Day**  **Card 3A:** Fill Me In! (G2.3)  Make Me a Picture (G2.1)  **Card 3B:** Name the Solid (G1.3)  Draw the Shape (G2.1) | **Below Grade:**   * The Tailor Shop  (Activities 14, 17)   **On Grade:**   * I Spy Awesome Buildings (Activities 12, 17) * Sharing Our Stories (Activities 14, 17)   **Above Grade:**   * Gallery Tour  (Activities 16, 17) | **Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.** |
| **Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids**  - Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)  - Analyzes geometric attributes of 2-D shapes and 3-D solids (e.g., number of sides/edges, faces, corners). (Activities 12, 13, 14, 17; MED 3B: 1)  **Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition**  - Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)  - Constructs and identifies new 2-D shapes and 3-D solids as a composite of other 2-D shapes and 3-D solids. (Activities 11, 17)  - Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)  - Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2) |
| **Big Idea: 2-D shapes and 3-D solids can be**  **transformed in many ways and analyzed**  **for change.** |
| **Exploring Symmetry to Analyze 2-D Shapes and**  **3-D Solids**  - Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17) |

**Master 14a**

**Ontario (continued)**

**Curriculum Correlation**

**Geometry Cluster 2: Geometric Relationships**

**Curriculum Correlation**

**Master 14b**

**Geometry Cluster 2: Geometric Relationships**

**British Columbia/Yukon Territories**

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| **Learning Standards** | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **Big Idea**  Objects and shapes have attributes that can be described, measured, and compared. | | | |
| **G1 Multiple attributes of 2D shapes and 3D objects**   * **G1.2** describing, comparing, and constructing 2D shapes, including triangles, squares, rectangles, circles * **G1.3** identifying 2D shapes as part of 3D objects | **Below Grade: Intervention**  5: Covering Outlines  6: Describing Solids  **On Grade: Teacher Cards**  11: Making Shapes  12: Building with Solids  13: Visualizing Shapes and Solids (G1.2)  14: Creating Pictures and Designs  15: Covering Outlines  16: Creating Symmetrical Designs  17: Geometric Relationships: Consolidation  **On Grade: Math Every Day**  **Card 3A:** Fill Me In!  Make Me a Picture  **Card 3B:** Name the Solid (G1.3)  Draw the Shape | **Below Grade:**   * The Tailor Shop  (Activities 14, 17)   **On Grade:**   * I Spy Awesome Buildings (Activities 12, 17) * Sharing Our Stories (Activities 14, 17)   **Above Grade:**   * Gallery Tour  (Activities 16, 17) | **Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.** |
| **Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids**  - Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)  - Analyzes geometric attributes of 2-D shapes and 3-D solids (e.g., number of sides/edges, faces, corners). (Activities 12, 13, 14, 17; MED 3B: 1)  **Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition**  - Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)  - Constructs and identifies new 2-D shapes and 3-D solids as a composite of other 2-D shapes and 3-D solids. (Activities 11, 17)  - Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)  - Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2) |
| **Big Idea: 2-D shapes and 3-D solids can be**  **transformed in many ways and analyzed**  **for change.** |
| **Exploring Symmetry to Analyze 2-D Shapes and**  **3-D Solids**  - Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17) |

**Curriculum Correlation**

**Master 14c**

**Geometry Cluster 2: Geometric Relationships**

**New Brunswick/Prince Edward Island/Newfoundland and Labrador**

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| **Specific Outcomes** | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **General Outcome**  Shape and Space: Describe 3-D objects and 2-D shapes, and analyze the relationships. | | | |
| **SS7** Describe, compare and construct 3-D objects, including:  • cubes  • spheres  • cones  • cylinders  • pyramids.  **SS8** Describe, compare and construct 2-D shapes, including:  • triangles  • squares  • rectangles  • circles.  **SS9** Identify 2-D shapes as parts of 3-D objects in the environment | **Below Grade: Intervention**  5: Covering Outlines  6: Describing Solids  **On Grade: Teacher Cards**  11: Making Shapes  12: Building with Solids (SS9)  13: Visualizing Shapes and Solids (SS7, SS8)  14: Creating Pictures and Designs  15: Covering Outlines  16: Creating Symmetrical Designs  17: Geometric Relationships: Consolidation  **On Grade: Math Every Day**  **Card 3A:** Fill Me In!  Make Me a Picture  **Card 3B:** Name the Solid (SS7)  Draw the Shape (SS8) | **Below Grade:**   * The Tailor Shop  (Activities 14, 17)   **On Grade:**   * I Spy Awesome Buildings (Activities 12, 17) * Sharing Our Stories (Activities 14, 17)   **Above Grade:**   * Gallery Tour  (Activities 16, 17) | **Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.** |
| **Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids**  - Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)  - Analyzes geometric attributes of 2-D shapes and 3-D solids (e.g., number of sides/edges, faces, corners). (Activities 12, 13, 14, 17; MED 3B: 1)  **Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition**  - Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)  - Constructs and identifies new 2-D shapes and 3-D solids as a composite of other 2-D shapes and 3-D solids. (Activities 11, 17)  - Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)  - Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2) |
| **Big Idea: 2-D shapes and 3-D solids can be**  **transformed in many ways and analyzed**  **for change.** |
| **Exploring Symmetry to Analyze 2-D Shapes and**  **3-D Solids**  - Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17) |

**Curriculum Correlation**

**Master 14d**

**Geometry Cluster 2: Geometric Relationships**

**Manitoba**

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| **Specific Outcomes** | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **General Outcome**  Shape and Space: Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them. | | | |
| **2.SS.7** Describe, compare, and construct 3-D objects, including  • cubes  • spheres  • cones  • cylinders  • prisms  • pyramids.  **2.SS.8** Describe, compare, and construct 2-D shapes, including  • triangles  • squares  • rectangles  • circles.  **2.SS.9** Identify 2-D shapes as parts of 3-D objects in the environment. | **Below Grade: Intervention**  5: Covering Outlines  6: Describing Solids  **On Grade: Teacher Cards**  11: Making Shapes  12: Building with Solids (2.SS.9)  13: Visualizing Shapes and Solids (2.SS.7, 2.SS.8)  14: Creating Pictures and Designs  15: Covering Outlines  16: Creating Symmetrical Designs  17: Geometric Relationships: Consolidation  **On Grade: Math Every Day**  **Card 3A:** Fill Me In!  Make Me a Picture  **Card 3B:** Name the Solid (2.SS.7)  Draw the Shape (2.SS.8) | **Below Grade:**   * The Tailor Shop  (Activities 14, 17)   **On Grade:**   * I Spy Awesome Buildings (Activities 12, 17) * Sharing Our Stories (Activities 14, 17)   **Above Grade:**   * Gallery Tour  (Activities 16, 17) | **Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.** |
| **Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids**  - Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)  - Analyzes geometric attributes of 2-D shapes and 3-D solids (e.g., number of sides/edges, faces, corners). (Activities 12, 13, 14, 17; MED 3B: 1)  **Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition**  - Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)  - Constructs and identifies new 2-D shapes and 3-D solids as a composite of other 2-D shapes and 3-D solids. (Activities 11, 17)  - Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)  - Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2) |
| **Big Idea: 2-D shapes and 3-D solids can be**  **transformed in many ways and analyzed for change.** |
| **Exploring Symmetry to Analyze 2-D Shapes and**  **3-D Solids**  - Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17) |

**Curriculum Correlation**

**Master 14e**

**Geometry Cluster 2: Geometric Relationships**

**Nova Scotia**

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| **Specific Outcomes** | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **General Outcome**  Students will be expected to describe the characteristics of 3-D objects and 2-D shapes and analyze the relationships among them. | | | |
| **G02** Students will be expected to recognize, name, describe, compare, and build 3-D objects, including cubes and other prisms, spheres, cones, cylinders, and pyramids.  **G03** Students will be expected to recognize, name, describe, compare and build 2-D shapes, including triangles, squares, rectangles, and circles.  **G04** Students will be expected to identify 2-D shapes as part of 3-D objects in the environment. | **Below Grade: Intervention**  5: Covering Outlines  6: Describing Solids  **On Grade: Teacher Cards**  11: Making Shapes  12: Building with Solids (G04)  13: Visualizing Shapes and Solids (G02, G03)  14: Creating Pictures and Designs  15: Covering Outlines  16: Creating Symmetrical Designs  17: Geometric Relationships: Consolidation  **On Grade: Math Every Day**  **Card 3A:** Fill Me In!  Make Me a Picture  **Card 3B:** Name the Solid (G02)  Draw the Shape (G03) | **Below Grade:**   * The Tailor Shop  (Activities 14, 17)   **On Grade:**   * I Spy Awesome Buildings (Activities 12, 17) * Sharing Our Stories (Activities 14, 17)   **Above Grade:**   * Gallery Tour  (Activities 16, 17) | **Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.** |
| **Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids**  - Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)  - Analyzes geometric attributes of 2-D shapes and 3-D solids (e.g., number of sides/edges, faces, corners). (Activities 12, 13, 14, 17; MED 3B: 1)  **Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition**  - Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)  - Constructs and identifies new 2-D shapes and 3-D solids as a composite of other 2-D shapes and 3-D solids. (Activities 11, 17)  - Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)  - Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2) |
| **Big Idea: 2-D shapes and 3-D solids can be**  **transformed in many ways and analyzed**  **for change.** |
| **Exploring Symmetry to Analyze 2-D Shapes and**  **3-D Solids**  - Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17) |

**Curriculum Correlation**

**Master 14f**

**Geometry Cluster 2: Geometric Relationships**

**Alberta/Northwest Territories/Nunavut**

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| **Learning Outcomes** | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **General Outcome**  Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them. | | | |
| **Shape and Space**  **7.** Describe, compare and construct 3-D objects, including:  • cubes  • spheres  • cones  • cylinders  • pyramids.  **8.** Describe, compare and construct 2-D shapes, including:  • triangles  • squares  • rectangles  • circles.  **9.** Identify 2-D shapes as parts of 3-D objects in the environment. | **Below Grade: Intervention**  5: Covering Outlines  6: Describing Solids  **On Grade: Teacher Cards**  11: Making Shapes  12: Building with Solids (SS9)  13: Visualizing Shapes and Solids (SS7, SS8)  14: Creating Pictures and Designs  15: Covering Outlines  16: Creating Symmetrical Designs  17: Geometric Relationships: Consolidation  **On Grade: Math Every Day**  **Card 3A:** Fill Me In!  Make Me a Picture  **Card 3B:** Name the Solid (SS7)  Draw the Shape (SS8) | **Below Grade:**   * The Tailor Shop  (Activities 14, 17)   **On Grade:**   * I Spy Awesome Buildings (Activities 12, 17) * Sharing Our Stories (Activities 14, 17)   **Above Grade:**   * Gallery Tour  (Activities 16, 17) | **Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.** |
| **Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids**  - Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)  - Analyzes geometric attributes of 2-D shapes and 3-D solids (e.g., number of sides/edges, faces, corners). (Activities 12, 13, 14, 17; MED 3B: 1)  **Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition**  - Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)  - Constructs and identifies new 2-D shapes and 3-D solids as a composite of other 2-D shapes and 3-D solids. (Activities 11, 17)  - Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)  - Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2) |
| **Big Idea: 2-D shapes and 3-D solids can be**  **transformed in many ways and analyzed for change.** |
| **Exploring Symmetry to Analyze 2-D Shapes and**  **3-D Solids**  - Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17) |

**Curriculum Correlation**

**Master 14g**

**Geometry Cluster 2: Geometric Relationships**

**Saskatchewan**

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| **Specific Outcomes** | **Mathology Grade 2 Classroom Activity Kit** | **Mathology Little Books** | **Pearson Canada K-3 Mathematics Learning Progression** |
| **Goals**  Spatial Sense, Logical Thinking, Mathematics as a Human Endeavour | | | |
| **Shape and Space**  **SS2.3** Describe, compare, and construct 3-D objects, including:  • cubes  • spheres  • cones  • cylinders  • pyramids.  **SS2.4** Describe, compare, and construct 2-D shapes, including:  • triangles  • squares  • rectangles  • circles.  **SS2.5** Demonstrate understanding of the relationship between 2-D shapes and 3-D objects. | **Below Grade: Intervention**  5: Covering Outlines  6: Describing Solids  **On Grade: Teacher Cards**  11: Making Shapes (SS2.4)  12: Building with Solids (SS2.3)  13: Visualizing Shapes and Solids (SS2.3, SS2.4, SS2.5)  14: Creating Pictures and Designs  15: Covering Outlines  16: Creating Symmetrical Designs  17: Geometric Relationships: Consolidation  **On Grade: Math Every Day**  **Card 3A:** Fill Me In!  Make Me a Picture  **Card 3B:** Name the Solid (SS2.3, SS2.5)  Draw the Shape (SS2.4) | **Below Grade:**   * The Tailor Shop  (Activities 14, 17)   **On Grade:**   * I Spy Awesome Buildings (Activities 12, 17) * Sharing Our Stories (Activities 14, 17)   **Above Grade:**   * Gallery Tour  (Activities 16, 17) | **Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.** |
| **Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids**  - Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)  - Analyzes geometric attributes of 2-D shapes and 3-D solids (e.g., number of sides/edges, faces, corners). (Activities 12, 13, 14, 17; MED 3B: 1)  **Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition**  - Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)  - Constructs and identifies new 2-D shapes and 3-D solids as a composite of other 2-D shapes and 3-D solids. (Activities 11, 17)  - Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)  - Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2) |
| **Big Idea: 2-D shapes and 3-D solids can be**  **transformed in many ways and analyzed**  **for change.** |
| **Exploring Symmetry to Analyze 2-D Shapes and**  **3-D Solids**  - Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17) |