Master 25a

Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

Ontario

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.	**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)

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Master 25a

Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

Ontario (continued)

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).			

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Master 25b

Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

British Columbia/Yukon Territories

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)

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Master 25c

Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

New Brunswick/Prince Edward Island/Newfoundland and Labrador

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)

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Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

Manitoba

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)

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Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

Nova Scotia

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)

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Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

Alberta/Northwest Territories/Nunavut

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)

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Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

Saskatchewan

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)

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