

# 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
<b>Overall Expectations</b> <b>Geometric Properties:</b> identify two-dimensional shapes and three-dimensional figures and sort and classify them by their geometric properties <b>Geometric Relationships:</b> compose and decompose two-dimensional shapes and three-dimensional figures <b>Location and Movement:</b> describe and represent the relative locations of objects, and represent objects on a map.			
<b>G2.3</b> 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), and using concrete materials.	<b>Below Grade: Intervention</b> 5: Covering Outlines 6: Describing Solids  <b>On Grade: Teacher Cards</b> 11: Making Shapes (G2.7, G2.8) 12: Building with Solids (G2.9) 13: Visualizing Shapes and Solids (G2.4)  <b>G2.4</b> 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).	<b>Below Grade:</b> <ul style="list-style-type: none"> <li>The Tailor Shop (Activities 14, 17)</li> </ul> <b>On Grade:</b> <ul style="list-style-type: none"> <li>I Spy Awesome Buildings (Activities 12, 17)</li> <li>Sharing Our Stories (Activities 14, 17)</li> </ul> <b>Above Grade:</b> <ul style="list-style-type: none"> <li>Gallery Tour (Activities 16, 17)</li> </ul>	<b>Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.</b> Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>- Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)</li> <li>- 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)</li> </ul> Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition <ul style="list-style-type: none"> <li>- Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)</li> <li>- 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)</li> <li>- Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)</li> <li>- Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2)</li> </ul>
<b>G2.6</b> compose and describe pictures, designs, and patterns by combining two-dimensional shapes.	<b>On Grade: Math Every Day Card 3A:</b> Fill Me In! (G2.8) Make Me a Picture (G2.6)		<b>Big Idea: 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change.</b> Exploring Symmetry to Analyze 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>- Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17)</li> </ul>
<b>G2.7</b> compose and decompose two-dimensional shapes.	<b>Card 3B:</b> Name the Solid (G2.3) Draw the Shape (G2.6)		

### Mathology 2

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# Curriculum Correlation

## Geometry Cluster 3: Geometric Relationships

Ontario (continued)

<p><b>G2.8</b> cover an outline puzzle with two-dimensional shapes in more than one way.</p> <p><b>G2.9</b> build a structure using three-dimensional figures, and describe the two-dimensional shapes and three-dimensional figures in the structure.</p> <p><b>G2.12:</b> create and describe symmetrical designs using a variety of tools (e.g., pattern blocks, tangrams, paper and pencil).</p>			
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# 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
<b>Big Idea</b> Objects and shapes have attributes that can be described, measured, and compared.			
Multiple attributes of 2D shapes and 3D objects <b>2.26</b> describing, comparing, and constructing 2D shapes, including triangles, squares, rectangles, circles  <b>2.27</b> identifying 2D shapes as part of 3D objects	<b>Below Grade: Intervention</b> 5: Covering Outlines 6: Describing Solids  <b>On Grade: Teacher Cards</b> 11: Making Shapes 12: Building with Solids 13: Visualizing Shapes and Solids (2.26) 14: Creating Pictures and Designs 15: Covering Outlines 16: Creating Symmetrical Designs 17: Geometric Relationships: Consolidation  <b>On Grade: Math Every Day</b> <b>Card 3A:</b> Fill Me In! Make Me a Picture  <b>Card 3B:</b> Name the Solid (2.27) Draw the Shape	<b>Below Grade:</b> <ul style="list-style-type: none"> <li>The Tailor Shop (Activities 14, 17)</li> </ul> <b>On Grade:</b> <ul style="list-style-type: none"> <li>I Spy Awesome Buildings (Activities 12, 17)</li> <li>Sharing Our Stories (Activities 14, 17)</li> </ul> <b>Above Grade:</b> <ul style="list-style-type: none"> <li>Gallery Tour (Activities 16, 17)</li> </ul>	<b>Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.</b> Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>- Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)</li> <li>- 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)</li> </ul> Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition <ul style="list-style-type: none"> <li>- Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)</li> <li>- 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)</li> <li>- Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)</li> <li>- Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2)</li> </ul>
<b>Big Idea: 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change.</b> Exploring Symmetry to Analyze 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>- Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17)</li> </ul>			

# 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
<b>General Outcome</b> Describe 3-D objects and 2-D shapes, and analyze the relationships.			
<b>2SS7</b> Describe, compare and construct 3-D objects, including: <ul style="list-style-type: none"> <li>• cubes</li> <li>• spheres</li> <li>• cones</li> <li>• cylinders</li> <li>• pyramids.</li> </ul>	<b>Below Grade: Intervention</b> 5: Covering Outlines 6: Describing Solids  <b>On Grade: Teacher Cards</b> 11: Making Shapes 12: Building with Solids (2SS9) 13: Visualizing Shapes and Solids (2SS7, 2SS8, 2SS9) 14: Creating Pictures and Designs 15: Covering Outlines 16: Creating Symmetrical Designs 17: Geometric Relationships: Consolidation	<b>Below Grade:</b> <ul style="list-style-type: none"> <li>• The Tailor Shop (Activities 14, 17)</li> </ul> <b>On Grade:</b> <ul style="list-style-type: none"> <li>• I Spy Awesome Buildings (Activities 12, 17)</li> <li>• Sharing Our Stories (Activities 14, 17)</li> </ul> <b>Above Grade:</b> <ul style="list-style-type: none"> <li>• Gallery Tour (Activities 16, 17)</li> </ul>	<b>Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.</b> Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>- Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)</li> <li>- 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)</li> </ul> Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition <ul style="list-style-type: none"> <li>- Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)</li> <li>- 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)</li> <li>- Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)</li> <li>- Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2)</li> </ul>
<b>2SS8</b> Describe, compare and construct 2-D shapes, including: <ul style="list-style-type: none"> <li>• triangles</li> <li>• squares</li> <li>• rectangles</li> <li>• circles.</li> </ul>	<b>On Grade: Math Every Day</b> <b>Card 3A:</b> Fill Me In! Make Me a Picture  <b>Card 3B:</b> Name the Solid (2SS7) Draw the Shape (2SS8)		<b>Big Idea: 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change.</b> Exploring Symmetry to Analyze 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>- Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17)</li> </ul>
<b>2SS9</b> Identify 2-D shapes as parts of 3-D objects in the environment			

# 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
<b>General Outcome</b> Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them.			
<b>2.SS.7</b> Describe, compare, and construct 3-D objects, including <ul style="list-style-type: none"> <li>• cubes</li> <li>• spheres</li> <li>• cones</li> <li>• cylinders</li> <li>• prisms</li> <li>• pyramids.</li> </ul>	<b>Below Grade: Intervention</b> 5: Covering Outlines 6: Describing Solids  <b>On Grade: Teacher Cards</b> 11: Making Shapes 12: Building with Solids (2.SS.9) 13: Visualizing Shapes and Solids (2.SS.7, 2.SS.8, 2.SS.9) 14: Creating Pictures and Designs 15: Covering Outlines 16: Creating Symmetrical Designs 17: Geometric Relationships: Consolidation	<b>Below Grade:</b> <ul style="list-style-type: none"> <li>• The Tailor Shop (Activities 14, 17)</li> </ul> <b>On Grade:</b> <ul style="list-style-type: none"> <li>• I Spy Awesome Buildings (Activities 12, 17)</li> <li>• Sharing Our Stories (Activities 14, 17)</li> </ul> <b>Above Grade:</b> <ul style="list-style-type: none"> <li>• Gallery Tour (Activities 16, 17)</li> </ul>	<b>Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.</b> Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>- Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)</li> <li>- 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)</li> </ul> Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition <ul style="list-style-type: none"> <li>- Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)</li> <li>- 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)</li> <li>- Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)</li> <li>- Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2)</li> </ul>
<b>2.SS.8</b> Describe, compare, and construct 2-D shapes, including <ul style="list-style-type: none"> <li>• triangles</li> <li>• squares</li> <li>• rectangles</li> <li>• circles.</li> </ul>	<b>On Grade: Math Every Day</b> <b>Card 3A:</b> Fill Me In! Make Me a Picture  <b>Card 3B:</b> Name the Solid (2.SS.7) Draw the Shape (2.SS.8)		<b>Big Idea: 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change.</b> Exploring Symmetry to Analyze 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>- Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17)</li> </ul>
<b>2.SS.9</b> Identify 2-D shapes as parts of 3-D objects in the environment.			

### Mathology 2

# 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
<b>General Outcome</b> Students will be expected to describe the characteristics of 3-D objects and 2-D shapes and analyze the relationships among them.			
<b>2G02</b> Students will be expected to recognize, name, describe, compare, and build 3-D objects, including cubes and other prisms, spheres, cones, cylinders, and pyramids.	<b>Below Grade: Intervention</b> 5: Covering Outlines 6: Describing Solids  <b>On Grade: Teacher Cards</b> 11: Making Shapes 12: Building with Solids (2G04) 13: Visualizing Shapes and Solids (2G02, 2G03, 2G04) 14: Creating Pictures and Designs 15: Covering Outlines 16: Creating Symmetrical Designs 17: Geometric Relationships: Consolidation	<b>Below Grade:</b> <ul style="list-style-type: none"> <li>The Tailor Shop (Activities 14, 17)</li> </ul> <b>On Grade:</b> <ul style="list-style-type: none"> <li>I Spy Awesome Buildings (Activities 12, 17)</li> <li>Sharing Our Stories (Activities 14, 17)</li> </ul> <b>Above Grade:</b> <ul style="list-style-type: none"> <li>Gallery Tour (Activities 16, 17)</li> </ul>	<b>Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.</b> Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)</li> <li>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)</li> </ul> Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition <ul style="list-style-type: none"> <li>Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)</li> <li>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)</li> <li>Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)</li> <li>Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2)</li> </ul>
<b>2G03</b> Students will be expected to recognize, name, describe, compare and build 2-D shapes, including triangles, squares, rectangles, and circles.	<b>On Grade: Math Every Day Card 3A:</b> Fill Me In! Make Me a Picture  <b>Card 3B:</b> Name the Solid (2G02) Draw the Shape (2G03)		<b>Big Idea: 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change.</b> Exploring Symmetry to Analyze 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17)</li> </ul>
<b>2G04</b> Students will be expected to identify 2-D shapes as part of 3-D objects in the environment.			



# Curriculum Correlation

## Geometry Cluster 3: Geometric Relationships

Alberta/Northwest Territories/Nunavut

Specific Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
<b>General Outcome</b> Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them.			
<b>2SS7</b> Describe, compare and construct 3-D objects, including: <ul style="list-style-type: none"> <li>• cubes</li> <li>• spheres</li> <li>• cones</li> <li>• cylinders</li> <li>• pyramids.</li> </ul>	<b>Below Grade: Intervention</b> 5: Covering Outlines 6: Describing Solids  <b>On Grade: Teacher Cards</b> 11: Making Shapes 12: Building with Solids (2SS9) 13: Visualizing Shapes and Solids (2SS7, 2SS8, 2SS9) 14: Creating Pictures and Designs 15: Covering Outlines 16: Creating Symmetrical Designs 17: Geometric Relationships: Consolidation	<b>Below Grade:</b> <ul style="list-style-type: none"> <li>• The Tailor Shop (Activities 14, 17)</li> </ul> <b>On Grade:</b> <ul style="list-style-type: none"> <li>• I Spy Awesome Buildings (Activities 12, 17)</li> <li>• Sharing Our Stories (Activities 14, 17)</li> </ul> <b>Above Grade:</b> <ul style="list-style-type: none"> <li>• Gallery Tour (Activities 16, 17)</li> </ul>	<b>Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.</b> Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>- Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)</li> <li>- 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)</li> </ul> Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition <ul style="list-style-type: none"> <li>- Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)</li> <li>- 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)</li> <li>- Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)</li> <li>- Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2)</li> </ul>
<b>2SS8</b> Describe, compare and construct 2-D shapes, including: <ul style="list-style-type: none"> <li>• triangles</li> <li>• squares</li> <li>• rectangles</li> <li>• circles.</li> </ul>	<b>On Grade: Math Every Day Card 3A:</b> Fill Me In! Make Me a Picture  <b>Card 3B:</b> Name the Solid (2SS7) Draw the Shape (2SS8)		<b>Big Idea: 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change.</b> Exploring Symmetry to Analyze 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>- Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17)</li> </ul>

# 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
<b>Goals</b> Spatial Sense, Logical Thinking, Mathematics as a Human Endeavour			
<b>SS2.3</b> Describe, compare, and construct 3-D objects, including: <ul style="list-style-type: none"> <li>• cubes</li> <li>• spheres</li> <li>• cones</li> <li>• cylinders</li> <li>• pyramids.</li> </ul> <b>SS2.4</b> Describe, compare, and construct 2-D shapes, including: <ul style="list-style-type: none"> <li>• triangles</li> <li>• squares</li> <li>• rectangles</li> <li>• circles.</li> </ul> <b>SS2.5</b> Demonstrate understanding of the relationship between 2-D shapes and 3-D objects.	<b>Below Grade: Intervention</b> 5: Covering Outlines 6: Describing Solids  <b>On Grade: Teacher Cards</b> 11: Making Shapes 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  <b>On Grade: Math Every Day Card 3A:</b> Fill Me In! Make Me a Picture  <b>Card 3B:</b> Name the Solid (SS2.3) Draw the Shape (SS2.4)	<b>Below Grade:</b> <ul style="list-style-type: none"> <li>• The Tailor Shop (Activities 14, 17)</li> </ul> <b>On Grade:</b> <ul style="list-style-type: none"> <li>• I Spy Awesome Buildings (Activities 12, 17)</li> <li>• Sharing Our Stories (Activities 14, 17)</li> </ul> <b>Above Grade:</b> <ul style="list-style-type: none"> <li>• Gallery Tour (Activities 16, 17)</li> </ul>	<b>Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.</b> Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>- Compares 2-D shapes and 3-D solids to find the similarities and differences. (Activity 12)</li> <li>- 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)</li> </ul> Investigating 2-D Shapes, 3-D Solids, and their Attributes Through Composition and Decomposition <ul style="list-style-type: none"> <li>- Constructs composite pictures or structures with 2-D shapes and 3-D solids. (Activities 12, 14, 17; MED 3A: 2)</li> <li>- 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)</li> <li>- Completes a picture outline with shapes in more than one way. (Activities 15, 17; MED 3A: 1)</li> <li>- Constructs composite 2-D shapes and 3-D solids from verbal instructions, visualization, and memory. (Activity 13; MED 3B: 2)</li> </ul> <b>Big Idea: 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change.</b> Exploring Symmetry to Analyze 2-D Shapes and 3-D Solids <ul style="list-style-type: none"> <li>- Constructs and completes 2-D/3-D symmetrical designs. (Activities 16, 17)</li> </ul>