

Curriculum Correlation

Geometry Cluster 1: 2-D Shapes

Ontario

Curriculum Expectations	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
<p>Overall Expectations</p> <p>G1 Geometric Properties: identify two-dimensional shapes and three-dimensional figures and sort and classify them by their geometric properties</p> <p>Strand: Patterning and Algebra</p> <p>Patterns and Relationships: identify, describe, extend, and create repeating patterns, growing patterns, and shrinking patterns</p> <p>G1.1 distinguish between the attributes of an object that are geometric properties (e.g., number of sides, number of faces) and the attributes that are not geometric properties (e.g., colour, size, texture), using a variety of tools (e.g., attribute blocks, geometric solids, connecting cubes).</p> <p>G1.2 identify and describe various polygons (i.e., triangles, quadrilaterals, pentagons, hexagons, heptagons, octagons) and sort and classify them by their geometric properties (i.e., number of sides or number of vertices), using concrete materials and pictorial representations.</p> <p>G1.5 locate the line of symmetry in a two-dimensional shape (e.g., by paper folding; by using a Mira).</p>	<p>Below Grade: Intervention</p> <p>1: Sorting Shapes</p> <p>2: Analyzing 2-D Shapes</p> <p>On Grade: Teacher Cards</p> <p>1: Sorting 2-D Shapes (G1.1, G1.2)</p> <p>2: Exploring 2-D Shapes (G1.1, G1.2)</p> <p>3: Constructing 2-D Shapes (G1.5)</p> <p>4: Symmetry in 2-D Shapes</p> <p>5: 2-D Shapes Consolidation (G1.1, G1.2, G1.5)</p> <p>On Grade: Math Every Day Card 1:</p> <p>Visualizing Shapes (G1.1)</p> <p>Comparing Shapes (G1.1)</p>	<p>Below Grade:</p> <ul style="list-style-type: none"> • What Was Here? (Activities 1, 2, 5) • The Tailor Shop (Activities 1, 2, 5) <p>On Grade:</p> <ul style="list-style-type: none"> • I Spy Awesome Buildings (Activities 1, 2, 5) • Sharing Our Stories (Activities 4, 5) <p>Above Grade:</p> <ul style="list-style-type: none"> • Gallery Tour (Activities 4, 5) 	<p>Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.</p> <p>Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids</p> <ul style="list-style-type: none"> - Compares 2-D shapes to find the similarities and differences. (Activities 1, 3, 5, MED 1: 2) - Analyzes geometric attributes of 2-D shapes (e.g., number of sides, corners). (Activities 1, 2, 3, 5, MED 1: 1) - Classifies and names 2-D shapes based on common attributes. (Activities 1, 2, 3, 5, MED 1: 1) - Constructs and compares 2-D shapes with given attributes (e.g., number of vertices). (Activity 3) <p>Big Idea: 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change.</p> <p>Exploring Symmetry to Analyze 2-D Shapes and 3-D Solids</p> <ul style="list-style-type: none"> - Identifies line(s) of symmetry on regular 2-D shapes. (Activities 4, 5) <p>Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically.</p> <p>Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size)</p> <ul style="list-style-type: none"> - Identifies the sorting rule used to sort sets. (Activity 5) - Sorts a set of objects based on two attributes. (Activities 1, 5)

Mathology 2

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Curriculum Correlation

Geometry Cluster 1: 2-D Shapes

British Columbia/Yukon Territories

Learning Standards	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
<p>Big Idea Objects and shapes have attributes that can be described, measured, and compared.</p> <p>Cross Strand: Patterns and Relations</p> <p>G1 Multiple attributes of 2D shapes and 3D objects</p> <ul style="list-style-type: none"> G1.1 sorting 2D shapes and 3D objects using two attributes, and explaining the sorting rule G1.2 describing, comparing, and constructing 2D shapes, including triangles, squares, rectangles, circles 	<p>Below Grade: Intervention</p> <p>1: Sorting Shapes</p> <p>2: Analyzing 2-D Shapes</p> <p>On Grade: Teacher Cards</p> <p>1: Sorting 2-D Shapes (G1.1)</p> <p>2: Exploring 2-D Shapes (G1.2)</p> <p>3: Constructing 2-D Shapes (G1.2)</p> <p>4: Symmetry in 2-D Shapes</p> <p>5: 2-D Shapes Consolidation (G1.1, G1.2)</p> <p>On Grade: Math Every Day Card 1: Visualizing Shapes (G1.2) Comparing Shapes (G1.2)</p>	<p>Below Grade:</p> <ul style="list-style-type: none"> What Was Here? (Activities 1, 2, 5) The Tailor Shop (Activities 1, 2, 5) <p>On Grade:</p> <ul style="list-style-type: none"> I Spy Awesome Buildings (Activities 1, 2, 5) Sharing Our Stories (Activities 4, 5) <p>Above Grade:</p> <ul style="list-style-type: none"> Gallery Tour (Activities 4, 5) 	<p>Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.</p> <p>Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids</p> <ul style="list-style-type: none"> Compares 2-D shapes to find the similarities and differences. (Activities 1, 3, 5, MED 1: 2) Analyzes geometric attributes of 2-D shapes (e.g., number of sides, corners). (Activities 1, 2, 3, 5, MED 1: 1) Classifies and names 2-D shapes based on common attributes. (Activities 1, 2, 3, 5, MED 1: 1) Constructs and compares 2-D shapes with given attributes (e.g., number of vertices). (Activity 3) <p>Big Idea: 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change.</p> <p>Exploring Symmetry to Analyze 2-D Shapes and 3-D Solids</p> <ul style="list-style-type: none"> Identifies line(s) of symmetry on regular 2-D shapes. (Activities 4, 5) <p>Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically.</p> <p>Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size)</p> <ul style="list-style-type: none"> Identifies the sorting rule used to sort sets. (Activity 5) Sorts a set of objects based on two attributes. (Activities 1, 5)

Curriculum Correlation

Geometry Cluster 1: 2-D Shapes

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
<p>General Outcome Shape and Space: Describe 3-D objects and 2-D shapes, and analyze the relationships Cross Strand: Patterns and Relations</p>			
<p>SS6 Sort 2-D shapes and 3-D objects using two attributes, and explain the sorting rule.</p> <p>SS8 Describe, compare and construct 2-D shapes, including:</p> <ul style="list-style-type: none"> • triangles • squares • rectangles • circles. 	<p>Below Grade: Intervention</p> <p>1: Sorting Shapes 2: Analyzing 2-D Shapes</p> <p>On Grade: Teacher Cards</p> <p>1: Sorting 2-D Shapes (SS6, SS8) 2: Exploring 2-D Shapes (SS8) 3: Constructing 2-D Shapes (SS8) 4: Symmetry in 2-D Shapes 5: 2-D Shapes Consolidation (SS8)</p> <p>On Grade: Math Every Day Card 1: Visualizing Shapes (SS8) Comparing Shapes (SS8)</p>	<p>Below Grade:</p> <ul style="list-style-type: none"> • What Was Here? (Activities 1, 2, 5) • The Tailor Shop (Activities 1, 2, 5) <p>On Grade:</p> <ul style="list-style-type: none"> • I Spy Awesome Buildings (Activities 1, 2, 5) • Sharing Our Stories (Activities 4, 5) <p>Above Grade:</p> <ul style="list-style-type: none"> • Gallery Tour (Activities 4, 5) 	<p>Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.</p> <p>Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids</p> <ul style="list-style-type: none"> - Compares 2-D shapes to find the similarities and differences. (Activities 1, 3, 5, MED 1: 2) - Analyzes geometric attributes of 2-D shapes (e.g., number of sides, corners). (Activities 1, 2, 3, 5, MED 1: 1) - Classifies and names 2-D shapes based on common attributes. (Activities 1, 2, 3, 5, MED 1: 1) - Constructs and compares 2-D shapes with given attributes (e.g., number of vertices). (Activity 3) <p>Big Idea: 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change.</p> <p>Exploring Symmetry to Analyze 2-D Shapes and 3-D Solids</p> <ul style="list-style-type: none"> - Identifies line(s) of symmetry on regular 2-D shapes. (Activities 4, 5) <p>Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically.</p> <p>Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size)</p> <ul style="list-style-type: none"> - Identifies the sorting rule used to sort sets. (Activity 5) - Sorts a set of objects based on two attributes. (Activities 1, 5)

Curriculum Correlation

Geometry Cluster 1: 2-D Shapes

Manitoba

Specific Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
<p>General Outcome Shape and Space: Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them.</p> <p>Cross Strand: Patterns and Relations</p> <p>2.SS.6 Sort 2-D shapes and 3-D objects using two attributes, and explain the sorting rule.</p> <p>2.SS.8 Describe, compare, and construct 2-D shapes, including:</p> <ul style="list-style-type: none"> triangles squares rectangles circles. 	<p>Below Grade: Intervention 1: Sorting Shapes 2: Analyzing 2-D Shapes</p> <p>On Grade: Teacher Cards 1: Sorting 2-D Shapes (2.SS.6, 2.SS.8) 2: Exploring 2-D Shapes (2.SS.8) 3: Constructing 2-D Shapes (2.SS.8) 4: Symmetry in 2-D Shapes 5: 2-D Shapes Consolidation (2.SS.8)</p> <p>On Grade: Math Every Day Card 1: Visualizing Shapes (2.SS.8) Comparing Shapes (2.SS.8)</p>	<p>Below Grade:</p> <ul style="list-style-type: none"> What Was Here? (Activities 1, 2, 5) The Tailor Shop (Activities 1, 2, 5) <p>On Grade:</p> <ul style="list-style-type: none"> I Spy Awesome Buildings (Activities 1, 2, 5) Sharing Our Stories (Activities 4, 5) <p>Above Grade:</p> <ul style="list-style-type: none"> Gallery Tour (Activities 4, 5) 	<p>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</p> <ul style="list-style-type: none"> Compares 2-D shapes to find the similarities and differences. (Activities 1, 3, 5, MED 1: 2) Analyzes geometric attributes of 2-D shapes (e.g., number of sides, corners). (Activities 1, 2, 3, 5, MED 1: 1) Classifies and names 2-D shapes based on common attributes. (Activities 1, 2, 3, 5, MED 1: 1) Constructs and compares 2-D shapes with given attributes (e.g., number of vertices). (Activity 3) <p>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</p> <ul style="list-style-type: none"> Identifies line(s) of symmetry on regular 2-D shapes. (Activities 4, 5) <p>Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically.</p> <p>Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size)</p> <ul style="list-style-type: none"> Identifies the sorting rule used to sort sets. (Activity 5) Sorts a set of objects based on two attributes. (Activities 1, 5)

Mathology 2

Curriculum Correlation

Geometry Cluster 1: 2-D Shapes

Nova Scotia

Specific Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
<p>General Outcome Geometry: Students will be expected to describe the characteristics of 3-D objects and 2-D shapes and analyze the relationships among them.</p> <p>Cross Strand: Patterns and Relations</p> <p>G01 Students will be expected to sort 2-D shapes and 3-D objects using two attributes and explain the sorting rule.</p> <p>G03 Students will be expected to recognize, name, describe, compare, and build 2-D shapes, including triangles, squares, rectangles, and circles.</p>	<p>Below Grade: Intervention 1: Sorting Shapes 2: Analyzing 2-D Shapes</p> <p>On Grade: Teacher Cards 1: Sorting 2-D Shapes (G01, G03) 2: Exploring 2-D Shapes (G03) 3: Constructing 2-D Shapes (G03) 4: Symmetry in 2-D Shapes 5: 2-D Shapes Consolidation (G03)</p> <p>On Grade: Math Every Day Card 1: Visualizing Shapes (G03) Comparing Shapes (G03)</p>	<p>Below Grade:</p> <ul style="list-style-type: none"> • What Was Here? (Activities 1, 2, 5) • The Tailor Shop (Activities 1, 2, 5) <p>On Grade:</p> <ul style="list-style-type: none"> • I Spy Awesome Buildings (Activities 1, 2, 5) • Sharing Our Stories (Activities 4, 5) <p>Above Grade:</p> <ul style="list-style-type: none"> • Gallery Tour (Activities 4, 5) 	<p>Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.</p> <p>Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids</p> <ul style="list-style-type: none"> - Compares 2-D shapes to find the similarities and differences. (Activities 1, 3, 5, MED 1: 2) - Analyzes geometric attributes of 2-D shapes (e.g., number of sides, corners). (Activities 1, 2, 3, 5, MED 1: 1) - Classifies and names 2-D shapes based on common attributes. (Activities 1, 2, 3, 5, MED 1: 1) - Constructs and compares 2-D shapes with given attributes (e.g., number of vertices). (Activity 3) <p>Big Idea: 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change.</p> <p>Exploring Symmetry to Analyze 2-D Shapes and 3-D Solids</p> <ul style="list-style-type: none"> - Identifies line(s) of symmetry on regular 2-D shapes. (Activities 4, 5) <p>Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically.</p> <p>Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size)</p> <ul style="list-style-type: none"> - Identifies the sorting rule used to sort sets. (Activity 5) - Sorts a set of objects based on two attributes. (Activities 1, 5)

Curriculum Correlation

Geometry Cluster 1: 2-D Shapes

Alberta/Northwest Territories/Nunavut

Learning Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
<p>General Outcome Shape and Space: Describe the characteristics of 3-D objects and 2-D shapes, and analyze the relationships among them.</p> <p>Cross Strand: Patterns and Relations</p> <p>Shape and Space 6. Sort 2-D shapes and 3-D objects, using two attributes, and explain the sorting rule.</p> <p>8. Describe, compare and construct 2-D shapes, including:</p> <ul style="list-style-type: none"> • triangles • squares • rectangles • circles. <p>Patterns and Relations 3. Sort a set of objects, using two attributes, and explain the sorting rule.</p>	<p>Below Grade: Intervention 1: Sorting Shapes 2: Analyzing 2-D Shapes</p> <p>On Grade: Teacher Cards 1: Sorting 2-D Shapes (SS6, SS8, PR3) 2: Exploring 2-D Shapes (SS8) 3: Constructing 2-D Shapes (SS8) 4: Symmetry in 2-D Shapes 5: 2-D Shapes Consolidation (SS6, SS8, PR3)</p> <p>On Grade: Math Every Day Card 1: Visualizing Shapes (SS8) Comparing Shapes (SS8)</p>	<p>Below Grade:</p> <ul style="list-style-type: none"> • What Was Here? (Activities 1, 2, 5) • The Tailor Shop (Activities 1, 2, 5) <p>On Grade:</p> <ul style="list-style-type: none"> • I Spy Awesome Buildings (Activities 1, 2, 5) • Sharing Our Stories (Activities 4, 5) <p>Above Grade:</p> <ul style="list-style-type: none"> • Gallery Tour (Activities 4, 5) 	<p>Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.</p> <p>Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids</p> <ul style="list-style-type: none"> - Compares 2-D shapes to find the similarities and differences. (Activities 1, 3, 5, MED 1: 2) - Analyzes geometric attributes of 2-D shapes (e.g., number of sides, corners). (Activities 1, 2, 3, 5, MED 1: 1) - Classifies and names 2-D shapes based on common attributes. (Activities 1, 2, 3, 5, MED 1: 1) - Constructs and compares 2-D shapes with given attributes (e.g., number of vertices). (Activity 3) <p>Big Idea: 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change.</p> <p>Exploring Symmetry to Analyze 2-D Shapes and 3-D Solids</p> <ul style="list-style-type: none"> - Identifies line(s) of symmetry on regular 2-D shapes. (Activities 4, 5) <p>Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically.</p> <p>Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size)</p> <ul style="list-style-type: none"> - Identifies the sorting rule used to sort sets. (Activity 5) - Sorts a set of objects based on two attributes. (Activities 1, 5)

Curriculum Correlation

Geometry Cluster 1: 2-D Shapes

Saskatchewan

Specific Outcomes	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
<p>Goals Spatial Sense, Logical Thinking, Mathematics as a Human Endeavour Cross Strand: Patterns and Relations</p>			
<p>Shape and Space SS2.4 Describe, compare, and construct 2-D shapes, including:</p> <ul style="list-style-type: none"> • triangles • squares • rectangles • circles. <p>SS2.5 Demonstrate understanding of the relationship between 2-D shapes and 3-D objects.</p>	<p>Below Grade: Intervention 1: Sorting Shapes 2: Analyzing 2-D Shapes</p> <p>On Grade: Teacher Cards 1: Sorting 2-D Shapes (SS2.4) 2: Exploring 2-D Shapes (SS2.4) 3: Constructing 2-D Shapes (SS2.4) 4: Symmetry in 2-D Shapes 5: 2-D Shapes Consolidation (SS2.4, SS2.5)</p> <p>On Grade: Math Every Day Card 1: Visualizing Shapes (SS2.4) Comparing Shapes (SS2.4)</p>	<p>Below Grade:</p> <ul style="list-style-type: none"> • What Was Here? (Activities 1, 2, 5) • The Tailor Shop (Activities 1, 2, 5) <p>On Grade:</p> <ul style="list-style-type: none"> • I Spy Awesome Buildings (Activities 1, 2, 5) • Sharing Our Stories (Activities 4, 5) <p>Above Grade:</p> <ul style="list-style-type: none"> • Gallery Tour (Activities 4, 5) 	<p>Big Idea: 2-D shapes and 3-D solids can be analyzed and classified in different ways by their attributes.</p> <p>Investigating Geometric Attributes and Properties of 2-D Shapes and 3-D Solids</p> <ul style="list-style-type: none"> - Compares 2-D shapes to find the similarities and differences. (Activities 1, 3, 5, MED 1: 2) - Analyzes geometric attributes of 2-D shapes (e.g., number of sides, corners). (Activities 1, 2, 3, 5, MED 1: 1) - Classifies and names 2-D shapes based on common attributes. (Activities 1, 2, 3, 5, MED 1: 1) - Constructs and compares 2-D shapes with given attributes (e.g., number of vertices). (Activity 3) <p>Big Idea: 2-D shapes and 3-D solids can be transformed in many ways and analyzed for change.</p> <p>Exploring Symmetry to Analyze 2-D Shapes and 3-D Solids</p> <ul style="list-style-type: none"> - Identifies line(s) of symmetry on regular 2-D shapes. (Activities 4, 5) <p>Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically.</p> <p>Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size)</p> <ul style="list-style-type: none"> - Identifies the sorting rule used to sort sets. (Activity 5) - Sorts a set of objects based on two attributes. (Activities 1, 5)