

Curriculum Correlation

Geometry Cluster 2: 3-D Solids

Ontario

Curriculum Expectations	Mathology Grade 2 Classroom Activity Kit	Mathology Little Books	Pearson Canada K-3 Mathematics Learning Progression
Overall Expectations Geometric Properties: identify two-dimensional shapes and three-dimensional figures and sort and classify them by their geometric properties Cross Strand: Patterning and Algebra Patterns and Relationships: identify, describe, extend, and create repeating patterns, growing patterns, and shrinking patterns			
G2.1 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). G2.3 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.	Below Grade: Intervention 3: Sorting Solids 4: Attributes of Solids On Grade: Teacher Cards 6: Sorting 3-D Solids (G2.1, G2.3) 7: 3-D Solids Around Us (G2.3) 8: Constructing 3-D Solids (G2.4) 9: Constructing Skeletons (G2.4) 10: 3-D Solids Consolidation (G2.3, G2.4) On Grade: Math Every Day Card 2A: Geometry in Poetry (G2.3) What Do You See? (G2.3) Card 2B: Solids Around Us (G2.3) Which Solid Does Not Belong? (G2.3)	Below Grade: <ul style="list-style-type: none"> What Was Here? (Activities 6, 7, 10) On Grade: <ul style="list-style-type: none"> I Spy Awesome Buildings (Activities 6, 7, 9, 10) Above Grade: <ul style="list-style-type: none"> WONDERful Buildings (Activities 6, 7, 8, 10) 	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 <ul style="list-style-type: none"> Compares 3-D solids to find the similarities and differences. (Activities 6, 7, 8, 9; MED 2B: 2) Analyzes geometric attributes of 3-D solids (e.g., number of edges, faces, corners). (Activities 6, 7, 8, 9, 10; MED 2A: 1, 2; MED 2B: 2) Identifies 2-D shapes in 3-D objects in the environment. (Activities 7, 10; MED 2A: 1, 2; MED 2B: 1) Classifies and names 3-D solids based on common attributes. (Activities 6, 7, 8, 9, 10) Constructs and compares 3-D solids with given attributes (e.g., number of vertices, faces). (Activities 8, 9, 10) Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size) <ul style="list-style-type: none"> Identifies the sorting rule used to sort sets. (Activity 6) Sorts a set of objects based on two attributes. (Activities 6, 10)

Mathology 2

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Curriculum Correlation

Geometry Cluster 2: 3-D Solids

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.			
Cross Strand: Patterns and Relations			
Multiple attributes of 2D shapes and 3D objects 2.25 sorting 2D shapes and 3D objects using two attributes, and explaining the sorting rule 2.27 identifying 2D shapes as part of 3D objects	Below Grade: Intervention 3: Sorting Solids 4: Attributes of Solids On Grade: Teacher Cards 6: Sorting 3-D Solids (2.25, 2.27) 7: 3-D Solids Around Us 8: Constructing 3-D Solids 9: Constructing Skeletons 10: 3-D Solids Consolidation (2.25, 2.27) On Grade: Math Every Day Card 2A: Geometry in Poetry What Do You See? (2.27) Card 2B: Solids Around Us Which Solid Does Not Belong? (2.25)	Below Grade: <ul style="list-style-type: none"> What Was Here? (Activities 6, 7, 10) On Grade: <ul style="list-style-type: none"> I Spy Awesome Buildings (Activities 6, 7, 9, 10) Above Grade: <ul style="list-style-type: none"> WONDERful Buildings (Activities 6, 7, 8, 10) 	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 <ul style="list-style-type: none"> Compares 3-D solids to find the similarities and differences. (Activities 6, 7, 8, 9; MED 2B: 2) Analyzes geometric attributes of 3-D solids (e.g., number of edges, faces, corners). (Activities 6, 7, 8, 9, 10; MED 2A: 1, 2; MED 2B: 2) Identifies 2-D shapes in 3-D objects in the environment. (Activities 7, 10; MED 2A: 1, 2; MED 2B: 1) Classifies and names 3-D solids based on common attributes. (Activities 6, 7, 8, 9, 10) Constructs and compares 3-D solids with given attributes (e.g., number of vertices, faces). (Activities 8, 9, 10) Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size) <ul style="list-style-type: none"> Identifies the sorting rule used to sort sets. (Activity 6) Sorts a set of objects based on two attributes. (Activities 6, 10)

Curriculum Correlation

Geometry Cluster 2: 3-D Solids

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 Describe 3-D objects and 2-D shapes, and analyze the relationships Cross Strand: Patterns and Relations			
2SS6 Sort 2-D shapes and 3-D objects using two attributes, and explain the sorting rule. 2SS7 Describe, compare and construct 3-D objects, including: <ul style="list-style-type: none"> • cubes • spheres • cones • cylinders • pyramids. 2SS9 Identify 2-D shapes as parts of 3-D objects in the environment.	Below Grade: Intervention 3: Sorting Solids 4: Attributes of Solids On Grade: Teacher Cards 6: Sorting 3-D Solids (2SS6, 2SS7) 7: 3-D Solids Around Us (2SS7, 2SS9) 8: Constructing 3-D Solids (2SS7) 9: Constructing Skeletons (2SS7) 10: 3-D Solids Consolidation (2SS6, 2SS7, 2SS9) On Grade: Math Every Day Card 2A: Geometry in Poetry (2SS7, 2SS9) What Do You See? (2SS7, 2SS9) Card 2B: Solids Around Us (2SS7, 2SS9) Which Solid Does Not Belong? (2SS7)	Below Grade: <ul style="list-style-type: none"> • What Was Here? (Activities 6, 7, 10) On Grade: <ul style="list-style-type: none"> • I Spy Awesome Buildings (Activities 6, 7, 9, 10) Above Grade: <ul style="list-style-type: none"> • WONDERful Buildings (Activities 6, 7, 8, 10) 	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 <ul style="list-style-type: none"> - Compares 3-D solids to find the similarities and differences. (Activities 6, 7, 8, 9; MED 2B: 2) - Analyzes geometric attributes of 3-D solids (e.g., number of edges, faces, corners). (Activities 6, 7, 8, 9, 10; MED 2A: 1, 2; MED 2B: 2) - Identifies 2-D shapes in 3-D objects in the environment. (Activities 7, 10; MED 2A: 1, 2; MED 2B: 1) - Classifies and names 3-D solids based on common attributes. (Activities 6, 7, 8, 9, 10) - Constructs and compares 3-D solids with given attributes (e.g., number of vertices, faces). (Activities 8, 9, 10) Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size) <ul style="list-style-type: none"> - Identifies the sorting rule used to sort sets. (Activity 6) - Sorts a set of objects based on two attributes. (Activities 6, 10)

Curriculum Correlation

Geometry Cluster 2: 3-D Solids

Manitoba

Specific 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.			
Cross Strand: Patterns and Relations 2.SS.6 Sort 2-D shapes and 3-D objects using two attributes, and explain the sorting rule. 2.SS.7 Describe, compare, and construct 3-D objects, including <ul style="list-style-type: none"> • cubes • spheres • cones • cylinders • prisms • pyramids. 2.SS.9 Identify 2-D shapes as parts of 3-D objects in the environment.	Below Grade: Intervention 3: Sorting Solids 4: Attributes of Solids On Grade: Teacher Cards 6: Sorting 3-D Solids (2.SS.6, 2.SS.7) 7: 3-D Solids Around Us (2.SS.7, 2.SS.9) 8: Constructing 3-D Solids (2.SS.7) 9: Constructing Skeletons (2.SS.7) 10: 3-D Solids Consolidation (2.SS.6, 2.SS.7, 2.SS.9) On Grade: Math Every Day Card 2A: Geometry in Poetry (2.SS.7, 2.SS.9) What Do You See? (2.SS.7, 2.SS.9) Card 2B: Solids Around Us (2.SS.7, 2.SS.9) Which Solid Does Not Belong? (2.SS.7)	Below Grade: <ul style="list-style-type: none"> • What Was Here? (Activities 6, 7, 10) On Grade: <ul style="list-style-type: none"> • I Spy Awesome Buildings (Activities 6, 7, 9, 10) Above Grade: <ul style="list-style-type: none"> • WONDERful Buildings (Activities 6, 7, 8, 10) 	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 <ul style="list-style-type: none"> - Compares 3-D solids to find the similarities and differences. (Activities 6, 7, 8, 9; MED 2B: 2) - Analyzes geometric attributes of 3-D solids (e.g., number of edges, faces, corners). (Activities 6, 7, 8, 9, 10; MED 2A: 1, 2; MED 2B: 2) - Identifies 2-D shapes in 3-D objects in the environment. (Activities 7, 10; MED 2A: 1, 2; MED 2B: 1) - Classifies and names 3-D solids based on common attributes. (Activities 6, 7, 8, 9, 10) - Constructs and compares 3-D solids with given attributes (e.g., number of vertices, faces). (Activities 8, 9, 10) Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size) <ul style="list-style-type: none"> - Identifies the sorting rule used to sort sets. (Activity 6) - Sorts a set of objects based on two attributes. (Activities 6, 10)

Mathology 2

Curriculum Correlation

Geometry Cluster 2: 3-D Solids

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 analyze the relationships among them.			
Cross Strand: Patterns and Relations 2G01 Students will be expected to sort 2-D shapes and 3-D objects using two attributes and explain the sorting rule. 2G02 Students will be expected to recognize, name, describe, compare, and build 3-D objects, including cubes and other prisms, spheres, cones, cylinders, and pyramids. 2G04 Students will be expected to identify 2-D shapes as part of 3-D objects in the environment.	Below Grade: Intervention 3: Sorting Solids 4: Attributes of Solids On Grade: Teacher Cards 6: Sorting 3-D Solids (2G01, 2G02) 7: 3-D Solids Around Us (2G02, 2G04) 8: Constructing 3-D Solids (2G02) 9: Constructing Skeletons (2G02) 10: 3-D Solids Consolidation (2G01, 2G02, 2G04) On Grade: Math Every Day Card 2A: Geometry in Poetry (2G02, 2G04) What Do You See? (2G02, 2G04) Card 2B: Solids Around Us (2G02, 2G04) Which Solid Does Not Belong? (2G02)	Below Grade: <ul style="list-style-type: none"> What Was Here? (Activities 6, 7, 10) On Grade: <ul style="list-style-type: none"> I Spy Awesome Buildings (Activities 6, 7, 9, 10) Above Grade: <ul style="list-style-type: none"> WONDERful Buildings (Activities 6, 7, 8, 10) 	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 <ul style="list-style-type: none"> Compares 3-D solids to find the similarities and differences. (Activities 6, 7, 8, 9; MED 2B: 2) Analyzes geometric attributes of 3-D solids (e.g., number of edges, faces, corners). (Activities 6, 7, 8, 9, 10; MED 2A: 1, 2; MED 2B: 2) Identifies 2-D shapes in 3-D objects in the environment. (Activities 7, 10; MED 2A: 1, 2; MED 2B: 1) Classifies and names 3-D solids based on common attributes. (Activities 6, 7, 8, 9, 10) Constructs and compares 3-D solids with given attributes (e.g., number of vertices, faces). (Activities 8, 9, 10) Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size) <ul style="list-style-type: none"> Identifies the sorting rule used to sort sets. (Activity 6) Sorts a set of objects based on two attributes. (Activities 6, 10)

Curriculum Correlation

Geometry Cluster 2: 3-D Solids

Alberta/Northwest Territories/Nunavut

Specific 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.			
Cross Strand: Patterns and Relations 2SS6 Sort 2-D shapes and 3-D objects, using two attributes, and explain the sorting rule. 2SS7 Describe, compare and construct 3-D objects, including: <ul style="list-style-type: none"> • cubes • spheres • cones • cylinders • pyramids. 2SS9 Identify 2-D shapes as parts of 3-D objects in the environment.	Below Grade: Intervention 3: Sorting Solids 4: Attributes of Solids On Grade: Teacher Cards 6: Sorting 3-D Solids (2SS6, 2SS7, 2PR3) 7: 3-D Solids Around Us (2SS7, 2SS9) 8: Constructing 3-D Solids (2SS7) 9: Constructing Skeletons (2SS7) 10: 3-D Solids Consolidation (2SS6, 2SS7, 2SS9, 2PR3) On Grade: Math Every Day Card 2A: Geometry in Poetry (2SS7, 2SS9) What Do You See? (2SS7, 2SS9) Card 2B: Solids Around Us (2SS7, 2SS9) Which Solid Does Not Belong? (2SS7)	Below Grade: <ul style="list-style-type: none"> • What Was Here? (Activities 6, 7, 10) On Grade: <ul style="list-style-type: none"> • I Spy Awesome Buildings (Activities 6, 7, 9, 10) Above Grade: <ul style="list-style-type: none"> • WONDERful Buildings (Activities 6, 7, 8, 10) 	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 <ul style="list-style-type: none"> - Compares 3-D solids to find the similarities and differences. (Activities 6, 7, 8, 9; MED 2B: 2) - Analyzes geometric attributes of 3-D solids (e.g., number of edges, faces, corners). (Activities 6, 7, 8, 9, 10; MED 2A: 1, 2; MED 2B: 2) - Identifies 2-D shapes in 3-D objects in the environment. (Activities 7, 10; MED 2A: 1, 2; MED 2B: 1) - Classifies and names 3-D solids based on common attributes. (Activities 6, 7, 8, 9, 10) - Constructs and compares 3-D solids with given attributes (e.g., number of vertices, faces). (Activities 8, 9, 10) Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size) <ul style="list-style-type: none"> - Identifies the sorting rule used to sort sets. (Activity 6) - Sorts a set of objects based on two attributes. (Activities 6, 10)

Curriculum Correlation

Geometry Cluster 2: 3-D Solids

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 Cross Strand: Patterns and Relations			
SS2.3 Describe, compare, and construct 3-D objects, including: <ul style="list-style-type: none"> • cubes • spheres • cones • cylinders • pyramids. SS2.5 Demonstrate understanding of the relationship between 2-D shapes and 3-D objects.	Below Grade: Intervention 3: Sorting Solids 4: Attributes of Solids On Grade: Teacher Cards 6: Sorting 3-D Solids (SS2.3) 7: 3-D Solids Around Us (SS2.3, SS2.5) 8: Constructing 3-D Solids (SS2.3) 9: Constructing Skeletons (SS2.3) 10: 3-D Solids Consolidation (SS2.3, SS2.5) On Grade: Math Every Day Card 2A: Geometry in Poetry (SS2.3, SS2.5) What Do You See? (SS2.3, SS2.5) Card 2B: Solids Around Us (SS2.3, SS2.5) Which Solid Does Not Belong? (SS2.3)	Below Grade: <ul style="list-style-type: none"> • What Was Here? (Activities 6, 7, 10) On Grade: <ul style="list-style-type: none"> • I Spy Awesome Buildings (Activities 6, 7, 9, 10) Above Grade: <ul style="list-style-type: none"> • WONDERFUL Buildings (Activities 6, 7, 8, 10) 	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 <ul style="list-style-type: none"> - Compares 3-D solids to find the similarities and differences. (Activities 6, 7, 8, 9; MED 2B: 2) - Analyzes geometric attributes of 3-D solids (e.g., number of edges, faces, corners). (Activities 6, 7, 8, 9, 10; MED 2A: 1, 2; MED 2B: 2) - Identifies 2-D shapes in 3-D objects in the environment. (Activities 7, 10; MED 2A: 1, 2; MED 2B: 1) - Classifies and names 3-D solids based on common attributes. (Activities 6, 7, 8, 9, 10) - Constructs and compares 3-D solids with given attributes (e.g., number of vertices, faces). (Activities 8, 9, 10) Big Idea: Regularity and repetition form patterns that can be generalized and predicted mathematically. Identifying, Sorting, and Classifying Attributes and Patterns Mathematically (e.g., Number of Sides, Shape, Size) <ul style="list-style-type: none"> - Identifies the sorting rule used to sort sets. (Activity 6) - Sorts a set of objects based on two attributes. (Activities 6, 10)