Master 19a

Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

ON

Kindergarten
20.3 compose pictures, designs, shapes, and patterns, using two-dimensional shapes; predict and explore reflective symmetry in two-dimensional shapes (e.g., visualize and predict what will happen when a square, a circle, or a rectangle is folded in half); and decompose two-dimensional shapes into smaller shapes and rearrange the pieces into other shapes, using various tools and materials (e.g., stickers, geoboards, pattern blocks, geometric puzzles, tangrams, a computer program) 20.4 build three-dimensional structures using a variety of materials and identify the three-dimensional figures their structure contains
Grade 1
Geometry and Spatial Sense Geometric Properties – trace and identify the two-dimensional faces of three-dimensional figures, using concrete models (e.g., I can see squares on the cube.") (Activities 11, 15) – describe similarities and differences between an everyday object and a three-dimensional figure (e.g., "A water bottle looks like a cylinder, except the bottle gets thinner at the top.") (Activities 11, 15) Geometric Relationships – compose patterns, pictures, and designs, using common two-dimensional shapes (Sample problem: Create a picture of a flower using pattern blocks.) (Activity 12) – identify and describe shapes within other shapes (e.g., shapes within a geometric design) (Activities 13, 14, 15) – build three-dimensional structures using concrete materials, and describe the two-dimensional shapes the structures contain (Activities 11, 15) – cover outline puzzles with two-dimensional shapes (e.g., pattern blocks, tangrams) (Sample problem: Fill in the outline of a boat with tangram pieces.). (Activities 13, 15)
Grade 2
Geometry and Spatial Sense Geometric Relationships – compose and describe pictures, designs, and patterns by combining two-dimensional shapes (e.g., "I made a picture of a flower from one hexagon and six equilateral triangles.") – compose and decompose two-dimensional shapes (Sample problem: Use Power Polygons to show if you can compose a rectangle from two triangles of different sizes.) – cover an outline puzzle with two-dimensional shapes in more than one way – build a structure using three-dimensional figures, and describe the two-dimensional shapes and three-dimensional figures in the structure (e.g., "I used a box that looks like a triangular prism to build the roof of my house.").

Master 19b

Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

BC/YT

Kindergarten
Single attributes of 2D shapes and 3D objects • building and describing 3D objects (e.g., shaped like a can) • exploring, creating, and describing 2D shapes
Grade 1
Comparison of 2D shapes and 3D objects • comparing 2D shapes and 3D objects in the environment (Activity 11) • replicating composite 2D shapes and 3D objects (e.g., putting two triangles together to make a square) (Activities 11–15)
Grade 2
Multiple attributes of 2D shapes and 3D objects • describing, comparing, and constructing 2D shapes, including triangles, squares, rectangles, circles

Master 19c

Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

SK

Kindergarten
Shape and Space SSK.3 Build and describe 3-D objects.
Grade 1
Shape and Space SS1.3 Replicate composite 2-D shapes and 3-D objects. (Activities 11–15) SS1.4 Compare 2-D shapes to parts of 3-D objects in the environment. (Activity 11)
Grade 2
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.

Master 19d

Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

PEI/NB/MB

Kindergarten
Shape and Space SS3 Build and describe 3-D objects.
Grade 1
Shape and Space SS3: Replicate composite 2-D shapes and 3-D objects. (Activities 11–15) SS4: Compare 2-D shapes to parts of 3-D objects in the environment. (Activity 11)
Grade 2
Shape and Space 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.

Master 19e

Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

AB/NWT/NU

Kindergarten
Shape and Space 3. Build and describe 3-D objects.
Grade 1
Shape and Space 3. Replicate composite 2-D shapes and 3-D objects. (Activities 11–15) 4. Compare 2-D shapes to parts of 3-D objects in the environment. (Activity 11)
Grade 2
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.

Master 19f

Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

NS

Kindergarten
Geometry G02: Students will be expected to build and describe 3-D objects.
Grade 1
Geometry G02: Students will be expected to replicate composite 2-D shapes and 3-D objects. (Activities 11–15) G03: Students will be expected to identify 2-D shapes in 3-D objects. (Activity 11)
Grade 2
Geometry 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.

Master 19g

Curriculum Correlation

Geometry Cluster 3: Geometric Relationships

NFL

Kindergarten
Shape and Space KSS3. Build and describe 3-D objects.
Grade 1
Shape and Space 1SS3. Replicate composite 2-D shapes and 3-D objects. (Activities 11–15) 1SS4. Compare 2-D shapes to parts of 3-D objects in the environment. (Activity 11)
Grade 2
Shape and Space 2SS7. Describe, compare and construct 3-D objects, including: • cubes • spheres • cones • cylinders • pyramids. 2SS8. Describe, compare and construct 2-D shapes, including: • triangles • squares • rectangles • circles. 2SS9. Identify 2-D shapes as parts of 3-D objects in the environment.