

Curriculum Correlation

Geometry Cluster 4: Symmetry

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| Kindergarten |
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| <p>17.1 explore, sort, and compare the attributes (e.g., reflective symmetry) and the properties (e.g., number of faces) of traditional and non-traditional two-dimensional shapes and three-dimensional figures (e.g., when sorting and comparing a variety of triangles: notice similarities in number of sides, differences in side lengths, sizes of angles, sizes of the triangles themselves; see smaller triangles in a larger triangle)</p> <p>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)</p> |
| Grade 1 |
| <p>Geometry and Spatial Sense</p> <p>Geometric Properties</p> <ul style="list-style-type: none"> – locate shapes in the environment that have symmetry, and describe the symmetry (Activity 16) <p>Location and Movement</p> <ul style="list-style-type: none"> – create symmetrical designs and pictures, using concrete materials (e.g., pattern blocks, connecting cubes, paper for folding), and describe the relative locations of the parts. (Activities 17, 18) |
| Grade 2 |
| <p>Geometry and Spatial Sense</p> <p>Geometric Properties</p> <ul style="list-style-type: none"> – locate the line of symmetry in a two-dimensional shape (e.g., by paper folding; by using a Mira). <p>Location and Movement</p> <ul style="list-style-type: none"> – create and describe symmetrical designs using a variety of tools (e.g., pattern blocks, tangrams, paper and pencil). |

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BC/YT

| Kindergarten |
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| Grade 1 |
| Cross Strand: Patterning and Algebra Repeating patterns with multiple elements and attributes <ul style="list-style-type: none">• beading using 3–5 colours (Activity 18) |
| Grade 2 |
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