UNIT 6

Polygons, Perimeter, and Area

Learning Progressions for the Common Core Standards Geometry and Measurement and Data

In Grade 2, students	In Grade 3, students will	In Grade 4, students will
• recognized and drew triangles, quadrilaterals, pentagons, hexagons, and cubes. • partitioned a rectangle into rows and columns of same-size squares and counted to find the total.	• recognize attributes of triangles, quadrilaterals, and other polygons. • decompose polygons into triangles and compose polygons from triangles. • recognize perimeter and area as attributes of plane figures and find ways to measure both attributes. • investigate the relationship between perimeter and area. • solve real world problems involving area, perimeter, and unknown side lengths.	• identify and draw points, lines, line segments, rays, angles, and parallel and perpendicular lines. • classify two-dimensional shapes based on lines and angles. • identify and draw lines of symmetry.

Content Standards Across the Grades

Grade 2	Grade 3	Grade 4
• Reason with shapes and their attributes. [CC.2.G.1] • Use addition to find the total number of objects arranged in rectangular arrays. [CC.2.OA.4]	• Reason with shapes and their attributes [CC.3.G.1, CC.3.G.2] • Geometric measurement: understand concepts of area and relate area to multiplication and addition. [CC.3.MD. 5, CC.3.MD.5a, CC.3.MD.5b, CC.3.MD.6, CC.3.MD.7, CC.3.MD.7a, CC.3.MD.7b, CC.3.MD.7c, CC.3.MD.7d] • Geometric measurement: recognize perimeter as an attribute of plane figures and distinguish between linear and area measures. [CC.3.MD.8]	• Draw and identify lines and angles, and classify shapes by properties of their lines and angles. [CC.4.G.1, CC.4.G.2, CC.4.G.3]