

Curriculum Map

Course Title: Math

Grade: Kindergarten

Unit (Name/Number): Geometry	Pacing: Support Additional - Refer to RCC Pacing Guide
Essential Question(s): How do you identify, describe, and compare plane shapes and solid figures using their positions and attributes?	

Content/Key Concepts	Standards	Key Vocabulary	Learning Activities/Resources	Evidence of Learning (Assessments; Performance Tasks)
Identifying and Describing Shapes - Identify shapes as two-dimensional (flat shapes) or three-dimensional (solid shapes) - Name shapes regardless of their orientation or overall size - Use simple shapes to compose larger shapes - Compare two shapes and explain their connections (similarities/differences)	<u>Common Core</u> K.G.2, K.G.3 <u>PACS</u> CC.2.3.K.A.1	- side - corner - plane shape - rectangle - square - circle - triangle - hexagon - cone - cylinder - sphere - cube - solid figures - flat surface	Identify, compare, locate and describe plane shapes and solid figures. RCC- Unit 7: Geometry (Lesson 30 & 32) - Name Shapes - Build Shapes Envision - Topics 14	RCC Lesson Quizzes RCC Mid-Unit Assessment & Unit Assessment Practice Standards: 1,3,4,6,7 1 - Make sense of Problems 3 - Construct arguments and critique the reasoning of others 4 - Model with mathematics 6 - Attend to precision 7 - Look for and make use of structure
Position and Location of Shapes Describe the relative position of objects using appropriate terms	<u>Common Core</u> K.G.1 <u>PACS</u> CC.2.3.K.A.1	position words: inside (in), outside (out), above, over, below, under, on, on top of, in front of, behind, next to, beside, left, right	RCC - Unit 7: Geometry (Lesson 29) -See position and shape Envision - Topic 15	

Analyzing, Comparing, and Composing Shapes • Describe objects in the environment using names of shapes • Analyze and compare two and three-dimensional shapes to describe their similarities, differences, parts, and attributes • Construct arguments using concrete referents (e.g. objects, pictures, drawings, and actions) • Develop mathematical communication skills in discussions	<u>Common Core</u> K.G.2, K.G.3, K.G.4, K.G.5, K.G.6 <u>PACS</u> CC.2.3.K.A.1, CC.2.3.K.A.2	• same size • same shape • roll • stack • slide • geometric solids • cubes • cones • spheres • cylinders • figure	RCC - Unit 7: Geometry (Lesson 31 & 32) - Compare Shapes - Build Shapes Envision - Topic 16 Resources to Consider: - Two-dimensional and three-dimensional shapes of all sizes - Stencils - Websites/Videos (e.g. Have Fun Teaching youtube) Children's Literature: - <u>The Shape of Things</u> by. Dayle Ann Dodds - <u>Bear in a Square</u> by. Stella Blackstone - <u>Looking at Shapes</u> by. Dr. Shirley Tucker & Jane Rambo Pennsylvania Learning Standards for Early Childhood: http://static.pdesas.org/content/documents/Pennsylvania%20Early%20Childhood%20Education%20Standards%20for%20Kindergarten.pdf	
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