

## Unit 3 Kindergarten Math Curriculum Canterbury Public Schools

<b>Subject</b>	Mathematics
<b>Grade Level</b>	Kindergarten
<b>Unit Title</b>	Unit 3 Flat Shapes All Around Us Section A Exploring Shapes in Our Environment Section B Making Shapes
<b>Unit Goals</b>	Explore differences in shapes and use informal language to describe, compare, and sort them. Use pattern blocks to make larger shapes. Reinforce counting and comparison skills through counting and comparing pattern blocks to create larger shapes Use positional words to describe the shapes they compose Explain differences- tell why a shape doesn't belong Describe and compare shapes
<b>Pacing (# of weeks)</b>	4 - 6 weeks
<b>Standards</b>	Section A- K.CC.A1, K.CC.A.3, K.CC.B, K.CC.5B, K.G, K.G.A.1, K.G.A.2, K.G.B.4, K.G.B.5 K.MD.A.2, K.MD.B.3 Section B- K.CC, K.CC.A.3, K.CC.B.4, K.CC.B.5, K.CC.C, K.CC.C.6, K.G, K.G.A.2 K.G.B.5
<b>Content/Conceptual Knowledge (know)</b>	A square is a special type of rectangle with all four sides having the same length Descriptions of geometric figures- rectangles, triangles, etc.
<b>Skills (be able to do)</b>	Create new shapes by using flat figures Create question sentences using shape attributes as clues Sort shapes by attribute Solve geometric puzzles by using flat figures Use language to describe how shapes are alike and different Count to 30 Compare more /less Categorize shapes by attribute
<b>Essential Questions</b>	How do shapes make up our world? Where can I find shapes? How are shapes named? How can shapes be created? Are shapes able to be sorted by attribute?

<b>Enduring Understandings</b>	<p>Shapes are everywhere</p> <p>Shapes can come in different sizes and can combine to form new shapes</p> <p>Shapes are named for their attributes</p> <p>Shapes can be manipulated to form new shapes</p> <p>Shapes are combined to make patterns</p>
<b>Vocabulary</b>	<p>Above, below, next to, beside, longer than, shorter than</p> <p>Less, same, more, fewer, length, round, point, flat, straight, number words, longer, shorter, same, rhombus, trapezoid, corners, circle, square, rectangle, rhombus, size, shape, sides, curved,</p>
<b>Common Learning Experiences broken down by standard addressed in the unit</b>	<p>Triangle sort- Activity 2</p> <p>Lesson 13, Activity 2, Introduce Match Mine, Pattern Blocks</p> <p>Build shapes</p> <p>Make larger shapes from pattern blocks</p> <p>Participate in center play: shake and spill, which is more, Bingo, Images and Numbers, Grade K shapes, Counting collections, Build Shapes, Describe the Flat Shape, Pattern Block, Puzzles, Tangram, Get and Build, Count Out and Build Sort cards, Puzzle Challenge, Geoblocks, Build to Match, Groups of Objects, Images, Drawings, Numbers and Images,</p>
<b>Assessments</b>	<p>performance based, problem solving using puzzles, use language to describe position, compare shapes, compare 4 images of shapes, tell why an image doesn't belong</p>
<b>Student Resources</b>	<p>Centers, counters, 5 frames, collections of objects, pencils, crayons, mats, bags, playdough, straws, clip boards, construction paper glue</p>
<b>Teacher Resources</b>	<p>Picture books, centers, "Stichin and Pullin": A Gee's Bend Quilt by Patricia McKissack</p> <p>Other picture books for students in this unit:</p> <p>My Heart Fills with Happiness by Monique Gray Smith</p> <p>Pablo's Tree by Pat Mora</p> <p>Saturday by Oge Mora</p> <p>There is a Bird on Your Head by Mo Willems</p> <p>Last Stop on Market Street, by Matt de la Pena</p> <p>Miss Bindergarten Gets Ready for Kindergarten by Joseph Slate</p> <p>Big Red Lollipop by Rukhsana Khan</p> <p>Count on Me by Miguel Tanco</p> <p>The Girl with the Parrot on Her Head by Daisy Hirst</p>

<b>Strategies</b>	Frayer Model// are, are not, attributes, definition Warm Ups and Cool Downs, Student to student conversations, Gradual Release model, hands on activities, review of previously learned skills KWL, games, puzzles, use of manipulatives
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