

Grade: 4 Unit: 6	Geometry	4 Weeks
Progression		
3rd Grade	Students reasoned with shapes and their attributes. Students divided shapes into parts with equal areas.	
4th Grade	Students will draw and identify lines and angles, and classify shapes by properties of their lines and angles. Students will identify line-symmetric figures and draw lines of symmetry.	
5th Grade	Students will graph points on the coordinate plane to solve real-world and mathematical problems. Students will classify two-dimensional figures into categories based on their properties.	
STUDENT LEARNING GOALS		
Mathematics Standards (Appendices A & B)		
<p><u>Math.4.G.A.1-</u> Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines. Identify these in two-dimensional figures.</p> <p><u>Math.4.G.A.2-</u> Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines, or the presence or absence of angles of a specified size. Recognize right triangles as a category, and identify right triangles.</p> <p><u>Math.4.G.A.3-</u> Recognize a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts. Identify line-symmetric figures and draw lines of symmetry.</p>		
Interdisciplinary Standards		Key Vocabulary
Technology Integration <i>(Appendix C)</i>	21st Century Skills <i>(Appendix D)</i>	Point Line segment Line Ray Angle Parallel lines Perpendicular lines
IS1. Information Strategies IS2. Information Use	TCS1. Use of Information TCS5. Problem Solving	Equilateral triangle Isosceles triangle Scalene triangle Acute triangle Right triangle Obtuse triangle Line of symmetry
Enduring Understandings <ul style="list-style-type: none"> I can draw two dimensional geometric objects (e.g., lines, rays, points, angles, etc.) and identify them in two dimensional figures. I can sort objects based on parallelism, perpendicularity, and angle types. I can recognize that triangles can be classified based on the lengths of their sides. I can identify a triangle based on the size of its angles. I can recognize lines of symmetry in two-dimensional figures. 		Essential Questions <ul style="list-style-type: none"> How can I draw two dimensional geometric objects and identify them in two-dimensional figures? How can I sort objects based on parallelism, perpendicularity, and angle types? How can I classify triangles based on length of their sides and size of their angles? How can I recognize lines of symmetry in two-dimensional figures?
Assessment Plan		
Summative Assessment(s)/Performance Based Assessments including 21st Century Learning RCC Interim Assessment, Student p. 288-289 RCC Performance Task, Student p. 290		Formative and Diagnostic Assessment(s) STAR Math Assessment (Winter) RCC Embedded Tasks and Assessments

Learning Plan Components

Text	Ready Common Core Mathematics Instruction 4 , 2014, Curriculum Associates, ISBN: 978-0-7609-8637-0
Print	Ready Common Core Mathematics Teacher Resource Book 4 , 2014, Curriculum Associates, ISBN: 978-0-7609-8644-8
Electronic	www.teacher-toolbox.com www.stratfordmath.wikispaces.com www.xtramath.org Common Core Worksheets; http://www.commoncoresheets.com/ Illustrative Math; http://www.illustrativemathematics.org/ Teaching Channel website; http://learnzillion.com https://www.georgiastandards.org/Common-Core/Common%20Core%20Frameworks/CCGPS_Math_4_Unit6Framework.pdf

Week 1	Students will: <ul style="list-style-type: none"> • Draw points, lines, line segments, rays, angles (right, acute, obtuse), and perpendicular and parallel lines, and will identify these in two-dimensional figures. 		
Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 31:</u> Points, Lines, Rays, and Angles Teacher pages: 316-327 Student pages: 292-303	(From RCC Teacher Book and supplemental) Hands-On (p.321,324,327) Differentiated pages: 327 SFTE p. 440A-443 <u>GA:</u> What Makes a Shape? <u>GA:</u> Angle Shape Sort	SF 8-3 (R P E PS) <u>CC</u> Perpendicular, Parallel and Intersecting Lines <u>CC</u> Matching Lines <u>CC</u> Analyzing Lines, Rays, Segments and Angles	Teacher Toolbox (Interactive Lesson for Supporting Skills) https://learnzillion.com/lessons/3916-identify-points-lines-line-segments-and-rays https://learnzillion.com/lessons/3917-identify-angles-by-comparing-them-to-square-angles https://learnzillion.com/lessons/3918-identify-parallel-intersecting-and-perpendicular-lines https://learnzillion.com/lessons/3919-identify-geometric-figures-by-observing-characteristics https://learnzillion.com/lessons/3920-draw-geometric-figures-using-their-characteristics
Week 2	Students will: <ul style="list-style-type: none"> • Classify two-dimensional figures based on the presence or absence of parallel or perpendicular lines. • Classify two-dimensional figures based on the presence or absence of angles of a specified size. • Identify right triangles. 		
Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 32:</u> Classify Two-Dimensional Figures Teacher pages: 328-339 Student pages: 305-315	(From RCC Teacher Book and supplemental) Hands-On (p. 331,332,335,339) Differentiated pages: 339 SFTE p.444A-447 <u>GA:</u> Thoughts About Triangles <u>GA:</u> My Many Triangles <u>GA:</u> Quadrilateral Roundup	SF 8-4 (R P E PS) <u>CC</u> Identifying Right Triangles	Teacher Toolbox (Interactive Lesson for Supporting Skills) https://learnzillion.com/lessons/3912-classify-polygons-by-observing-the-presence-or-absence-of-perpendicular-lines https://learnzillion.com/lessons/3913-sort-polygons-into-categories-by-their-angles https://learnzillion.com/lessons/3914-classify-triangles-by-angle-type

Week 3	Students will: <ul style="list-style-type: none"> Recognize a line of symmetry for a two-dimensional figure as a line across the figure such that the figure can be folded along the line into matching parts. Identify line-symmetric figures and draw lines of symmetry. 		
Lessons	Tasks / Activities	Worksheets	Technology
<u>RCC Lesson 33:</u> Symmetry Teacher pages: 342-352 Student pages: 316-328	(From RCC Teacher Book and supplemental) Hands-On (p.342,343,345,349) Visual Model: 346 Differentiated pages: 349 SFTE p. 456A-457 <u>GA:</u> Super Hero Symmetry <u>GA:</u> A Quilt of Symmetry <u>GA:</u> Decoding ABC Symmetry	SF 8-7 (R P E PS) <u>CC</u> Determining Symmetry	Teacher Toolbox (Interactive Lesson for Supporting Skills) https://learnzillion.com/lessons/3213-recognize-a-line-of-symmetry-by-folding-a-two-dimensional-figure https://learnzillion.com/lessons/3214-identify-line-symmetry-in-irregular-polygons https://learnzillion.com/lessons/3096-identify-line-symmetry-in-regular-polygons https://learnzillion.com/lessons/3215-identify-line-symmetry-in-a-geometric-figure
Summative Assessment		Performance Task	
RCC Unit 6 Interim Assessment -Student p. 326-327 -Scoring Guide (p. 350)		RCC Unit 6 Performance Task -Student p. 328 Teacher Notes (p.351) -Rubric (p. 352) <u>GA:</u> Geometry Town	