

Curriculum Map

Course Title: Geometry	Quarter: 1st Semester	Academic Year: 2015 -2016
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Essential Questions for this Quarter:

1.					
Unit/Time Frame	Standards	Content	Skills	Assessment	Resources

Chapter 1 Points, Planes and Angles		Patterns and Inductive Reasoning		All Assessments are Teacher Made	McDougal Littell Geometry
August 19 – September 19	11.3.1.a	Points, Lines and Planes			
	11.3.1.a	Segments and Their Measures			
	11.3.1.a	Angles and Their Measures			
	11.3.1.a, 11.3.2.a	Segment and Angle Bisectors			
	11.3.1.b	Angle Pair Relationships			
	11.3.1.f	Perimeter, Circumference and Area			
	11.3.1.c	Heron's Formula			
Chapter 2 Reasoning and Proof	11.4.2.d	Conditional Statements			
September 10 – September 29	11.4.2.d	Biconditionals and Definitions			
	11.3.1.a	Point, Line and Plane Postulates			
	11.3.1.b	Deductive Reasoning			

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	11.2.2.b	Reasoning with Properties from Algebra			
	11.3.1.b	Proving Statements About Segments			
	11.3.1.b	Proving Statements About Angles			
Chapter 3 Perpendicular and Parallel Lines	11.3.1.a	Lines and Angles			
September 30 – October 16	11.3.1.b	Proofs and Perpendicular Lines			
	11.3.1.b	Parallel Lines and Transversals			
	11.2.1.e 11.3.2.c	Slopes and Parallel Lines			
	11.2.1.e 11.3.2.c	Identifying Perpendicular Lines			
Chapter 4 Congruent Triangles	11.3.1.b	Triangles and Angles			
October 19 - November 10	11.3.1.b	Triangles and Congruence			
	11.3.1.b	SSS and SAS Congruence			
	11.3.1.b	ASA and AAS Congruence			

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	11.3.1.b	Using Congruent Triangles			
	11.3.1.c	Isosceles, Equilateral and Right Triangles			
Chapter 5 Properties of Triangles	11.3.1.c	Perpendiculars and Bisectors			
November 12 - November 24	11.3.1.c	Bisectors of a Triangles			
	11.3.1.c	Medians and Altitudes			
	11.3.1.c	Midsegment Theorem			
	11.3.1.c	Inequalities in One Triangle			
	11.3.1.c	Inequalities in Two Triangles			
Chapter 6 Quadrilaterals	11.3.1.c	Polygons			

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Essential Questions for this Quarter:

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December 2 – 16	11.3.1.c	Properties of parallelograms			
	11.3.1.c 11.3.1.b	Proving Quadrilaterals are Parallelograms			
	11.3.1.b 11.3.1.c 11.3.2.f	Rhombuses, Rectangles and Squares			
	11.3.1.b	Trapezoids and Kites			
	11.3.1.b	Special Quadrilaterals			
	11.3.1.c	Area of Quadrilaterals			
Transformations	11.3.2.g	Rigid Motion in a Plane			
January 5 – 27	11.3.2.i	Reflections			
	11.3.2.h	Rotations			
	11.3.2.g 12.3.2.c 12.3.2.d 12.3.2.e	Translations and Vectors			
	11.3.2.j	Dilations			
	11.3.2	Composite Transformations			
	11.3.2	Frieze Patterns			

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Similarity	11.3.1.c	Ratio and Proportion			
January 28 – February 23	11.3.1.c	Problem Solving in Geometry with Proportions			
	11.3.1.c	Similar Polygons			
	11.3.1.c	Similar Triangles			
	11.3.1.b	Proving Triangles are Similar			
	11.3.1.b	Proportions and Similar Triangles			
		Dilations			
Right Triangles and Trigonometry	11.3.1.d	Similar Right Triangles			
February 24 – March 18	11.3.1.d	The Pythagorean Theorem			
	11.3.1.d	The Converse of the Pythagorean Theorem			
	11.3.1.d	Trigonometric Ratios			
	11.3.1.d 11.3.1.e	Solving Right Triangles			
	12.3.2.c	Vectors			

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Circles	11.3.1.f	Tangents to Circles			
March 21 – April 12	11.3.1.g	Arcs and Chords			
	11.3.1.g	Inscribed Angles			
	11.3.1.g	Other Angles Relationships in Circles			
	12.3.1.b	Segment Lengths in Circles			
	11.3.2.k	Equations of Circles			
	12.3.1.b	Walk Around and Common Tangent Problems			Geometry for Enjoyment and Challenge
Area of Polygons and Circles	11.3.1.c	Angle Measures in Polygons			
April 13 – April 26	11.3.1.c	Areas of Regular Polygons			
	11.3.3.c	Perimeters and Areas of Similar Figures			
	11.3.3.d	Circumference and Arc Length			
	11.3.3.d	Areas of Circles and Sectors			
	11.4.3.b	Geometric Probability			

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Surface Area and Volume	11.3.3.e	Exploring Solids			
April 27 – end of year	11.3.3.e	Surface area of Prisms and Cylinders			
	11.3.3.e	Surface Area of Pyramids and Cones			
	11.3.3.e 12.3.3.1	Volume of Prisms and Cones			
	11.3.3.e	Volume of Pyramids and Cones			
	11.3.3.e	Surface Area and Volume of Spheres			
	11.3.3.c	Similar Solids			

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