

Geometry

2015 – 2016

Please Note:

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Publisher Resource:

Go Math - My.hrw.com

Username: 55S(student ID)

Password: FL + mmddyyyy of birth

Other Course Supplemental Resources – by standard and Topic:

[IXL Math – High School Standards](#)

[Study Island](#)

Login: 55s(student #)

Password: first initial first name + first initial last name + mmddyyyy of birth

FSA Practice: (Please Note: these links work best in Firefox or Chrome)

[FSA Portal](#)

[PARCC](#)

[Smarter Balanced Portal](#)

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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 16	1	Chapter 1 Foundations for Geometry <ul style="list-style-type: none"> • Lesson 1.1 Understanding points, lines and planes • Lesson 1.2 Measuring and constructing segments • Lesson 1.3 Measuring and constructing angles 	Lesson 1.1 – Khan Academy Lesson 1.2 – Khan Academy Lesson 1.2 Khan Academy Lesson 1.3 – Khan Academy
	2	Chapter 1 – Foundations or Geometry <ul style="list-style-type: none"> • Lesson 1.4 Pairs of angles • Lesson 1.5 Using formulas • Lesson 1.6 Midpoint and distance in the coordinate plane • Assessment 	Lesson 1.4 – Khan Academy Lesson 1.4 – Khan Academy Lesson 1.5 – Khan Academy Lesson 1.6 – Khan Academy
	3	Chapter 2 Geometric Reasoning <ul style="list-style-type: none"> • Lesson 2.5 Algebraic proofs • Lesson 2.6 and 2.7 Geometric proofs • Assessment 	Lessons 2.5,6,7 – Khan Academy
	4	Chapter 3 Parallel and Perpendicular Lines <ul style="list-style-type: none"> • Lesson 3.1 Lines and angles • Lesson 3.2 Angles formed by parallel lines and transversals • Lesson 3.3 Proving lines parallel • Lesson 3.4 Perpendicular lines 	Lesson 3.1 – Khan Academy Lesson 3.2 – Khan Academy Lesson 3.3 – Khan Academy Lesson 3.4 – Khan Academy
	5	Chapter 3 Parallel and Perpendicular Lines <ul style="list-style-type: none"> • Lesson 3.5 Slopes of lines 	Lesson 3.5 – Khan Academy
	6	Chapter 3 Parallel and Perpendicular Lines <ul style="list-style-type: none"> • Lesson 3.6 Lines in the coordinate plane • Assessment 	Lesson 3.6- Khan Academy
	7	Chapter 4 Triangle Congruence <ul style="list-style-type: none"> • Lesson 4.2 Classifying triangles • Lesson 4.3 Angle relationships 	Lesson 4.2- Khan Academy Lesson 4.3- Khan Academy
	8	Chapter 4 Triangle Congruence <ul style="list-style-type: none"> • Lesson 4.9 Isosceles and equilateral triangles • Assessment 	Lesson 4.9- Khan Academy
	9	Chapter 5 Properties of Attributes of Triangles <ul style="list-style-type: none"> • Lesson 5.1 Perpendicular and angle bisectors • Lesson 5.2 Bisectors of triangles 	Lesson 5.1- Khan Academy Lesson 5.2- Khan Academy
	10	<ul style="list-style-type: none"> • Assessment 	

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Quarter 2 Oct 19 – Dec 18	1	Chapter 5 Properties of Attributes of Triangles <ul style="list-style-type: none"> • Lesson 5.3 Medians and altitudes • Lesson 5.4 Triangle midsegment theorem 	Lesson 5.3- Khan Academy Lesson 5.4- Khan Academy
	2	Chapter 5 Properties of Attributes of Triangles <ul style="list-style-type: none"> • Lesson 5.5 Indirect proof and inequalities in one triangle • Lesson 5.6 Inequalities in two triangles • Lesson 5.7/5.8 Pythagorean theorem and special right triangles • Assessment 	Lesson 5.5- Khan Academy Lesson 5.6- Khan Academy Lesson 5.7/8- Khan Academy
	3	Chapter 1 Foundations for Geometry <ul style="list-style-type: none"> • Lesson 1.7 Transformations in the coordinate plane Chapter 9 Extending Transformational Geometry <ul style="list-style-type: none"> • Lesson 9.1 Reflections • Lesson 9.2 Translations • Lesson 9.3 Rotations 	Lesson 9.1- Khan Academy Lesson 9.2- Khan Academy Lesson 9.3- Khan Academy
	4	Chapter 9 Extending Transformational Geometry <ul style="list-style-type: none"> • Lesson 9.4 Compositions of transformations • Lesson 9.5 Symmetry • Assessment 	Lesson 9.4- Khan Academy Lesson 9.5- Khan Academy
	5	Chapter 4 Triangle Congruence <ul style="list-style-type: none"> • Lesson 4.1 Congruence in transformations 	Lesson 4.1- Khan Academy
	6	Chapter 4 Triangle Congruence <ul style="list-style-type: none"> • Lesson 4.5 Congruent Triangles: SSS, SAS, ASA, AAS, HL • Lesson 4.6 Congruent Triangles: SSS, SAS, ASA, AAS, HL 	Lesson 4.5- Khan Academy Lesson 4.6- Khan Academy
	7	Chapter 4 Triangle Congruence <ul style="list-style-type: none"> • Lesson 4.7 Triangle Congruence CPCTC • Proofs • Assessment 	Lesson 4.7- Khan Academy
	8	Chapter 6 Polygons and Quadrilaterals <ul style="list-style-type: none"> • Lesson 6.1 Properties of regular polygons • Lesson 6.2 Properties of parallelograms • Lesson 6.3 Conditions of parallelograms 	Lesson 6.1- Khan Academy Lesson 6.2/3- Khan Academy
	9	Chapter 6 Polygons and Quadrilaterals <ul style="list-style-type: none"> • Semester exams 	

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Quarter 3 Jan 5 – Mar 18	1	Chapter 6 Polygons and Quadrilaterals <ul style="list-style-type: none"> • Review • Lesson 6.4 Properties of special parallelograms 	Lesson 6.4- Khan Academy
	2	Chapter 6 Polygons and Quadrilaterals <ul style="list-style-type: none"> • Lesson 6.5 Conditions for special parallelograms • Lesson 6.6 Properties of kites and trapezoids • Assessment 	Lesson 6.5- Khan Academy Lesson 6.6- Khan Academy
	3	Chapter 7 Similarity <ul style="list-style-type: none"> • Lesson 7.1 Ratios in similar polygons • Lesson 7.2 Similarity in transformations • Lesson 7.3 Triangle similarity: AA, SSS, SAS 	Lesson 7.1- Khan Academy Lesson 7.2- Khan Academy Lesson 7.3- Khan Academy
	4	Chapter 7 Similarity <ul style="list-style-type: none"> • Lesson 7.3 Triangle similarity: AA, SSS, SAS • Lesson 7.4 Applying properties of similar triangles • Lesson 7.5 Using proportional relationships • Lesson 7.6 Dilations and similarity in the coordinate plane • Assessment 	Lesson 7.4- Khan Academy Lesson 7.5- Khan Academy Lesson 7.6- Khan Academy
	5	Chapter 9 Extending Transformational Geometry <ul style="list-style-type: none"> • Lesson 9.7 Congruence transformations 	Lesson 9.7- Khan Academy
	6	Chapter 8 Right Triangles and Trigonometry <ul style="list-style-type: none"> • Lesson 8.1 Similarity in right triangles • Lesson 8.2 Trigonometric ratios • Lesson 8.3 Solving right triangles • Lesson 8.4 Angles of elevation and depression • Assessment 	Lesson 8.1- Khan Academy Lesson 8.2- Khan Academy Lesson 8.3- Khan Academy Lesson 8.4- Khan Academy
	7	<ul style="list-style-type: none"> • Review 	
	8	Chapter 10 Extending Perimeter, Circumference, and Area <ul style="list-style-type: none"> • Lesson 10.1 Developing formulas for triangles and quadrilaterals • Lesson 10.2 Developing formulas for circles 	Lesson 10.1- Khan Academy Lesson 10.2- Khan Academy
	9	Chapter 10 Extending Perimeter, Circumference, and Area <ul style="list-style-type: none"> • Lesson 10.4 Perimeter and area in the coordinate plane • Lesson 10.5 Effects of changing dimensions proportionally • Assessment 	Lesson 10.4- Khan Academy Lesson 10.5- Khan Academy
	10	Chapter 11 Spatial Reasoning <ul style="list-style-type: none"> • Lesson 11.1 Solid geometry 	Lesson 11.1- Khan Academy

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		<ul style="list-style-type: none">Lesson 11.2 Volumes of prisms and cylinders	Lesson 11.2- Khan Academy
	11	<ul style="list-style-type: none">Quarter Assessments	

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Quarter 4 Mar 29 – May 26	1	Chapter 11 Spatial Reasoning <ul style="list-style-type: none"> Lesson 11.3 Volume of pyramids and cones 	Lesson 11.3- Khan Academy
	2	Chapter 11 Spatial Reasoning <ul style="list-style-type: none"> Lesson 11.4 Volume of spheres Surface area of all polygons Assessment 	Lesson 11.4- Khan Academy Surface area- Khan Academy
	3	Chapter 12 Circles <ul style="list-style-type: none"> Lesson 12.1 Lines that intersect circles Lesson 12.2 Arcs and chords 	Lesson 12.1- Khan Academy Lesson 12.2- Khan Academy
	4	Chapter 12 Circles <ul style="list-style-type: none"> 12.3 Sector area 12.4 Inscribed angles 12.5 Angle relationships and circles 	Lesson 12.3- Khan Academy Lesson 12.4- Khan Academy Lesson 12.5- Khan Academy
	5	Chapter 12 Circles <ul style="list-style-type: none"> Lesson 12.6 Segment relationships in circles Lesson 12.7 Circles in the coordinate plane Assessment 	Lesson 12.6- Khan Academy Lesson 12.7- Khan Academy
	6	<ul style="list-style-type: none"> Standards Based Performance Tasks 	
	7	<ul style="list-style-type: none"> Standards Based Performance Tasks and Algebra Standards Review 	
	8	<ul style="list-style-type: none"> Standards Based Performance Tasks 	
	9	<ul style="list-style-type: none"> Finals 	

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