Geometry 2016 – 2017

Please Note:

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Publisher Resource:

HMH (Holt McDougal) - My.hrw.com
Username: SJCSD55FLs#####
Password: First initial + last initial + the student birthday in MMDDYYYY format (initials must be in CAPS)

Other Course Supplemental Resources:

Math Nation (use student Active Directory)

Study Island (use student Active Directory)

IXL Math – High School Standards

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

FSA Portal
FSA Scientific Calculator

Equation Editor Item Tutorial

PARCC

Smarter Balanced Portal

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	Week	Major Concepts / Topics	Possible Resources: KHAN ACADEMY
Quarter 1 Aug 10 – Oct 14	1 8/10 - 8/12	**Chapter 1 Foundations for Geometry** • Lesson 1.1 Understanding points, lines and planes • Lesson 1.2 Measuring and constructing segments • Lesson 1.3 Measuring and constructing angles	1.1 Points Lines and Planes 1.2 Measuring and constructing segments 1.3 Measuring and constructing angles
	2 8/15 – 8/19	**Chapter 1 – Foundations or Geometry** • Lesson 1.4 Pairs of angles • Lesson 1.5 Using formulas • Lesson 5.7 Pythagorean theorem • Lesson 1.6 Midpoint and distance in the coordinate plane • Assessment	1.4 Pairs of angles 5.7 Special Right Triangles 1.6 Midpoint formula 1.6 Distance Formula
	3 8/22 – 8/26	**Chapter 2 Geometric Reasoning** • Lesson 2.5 Algebraic proofs • Lesson 2.6 and 2.7 Geometric proofs • Assessment	2.5 Algebraic Proofs 2.6 Geometric Proofs
	4 8/29 – 9/2	**Chapter 3 Parallel and Perpendicular Lines** • Lesson 3.1 Lines and angles • Lesson 3.2 angles formed by transversals • Lesson 3.3 proving parallel lines	3.2 angles formed by transversals 3.3 Proving Lines are parallel
	5 9/6 – 9/9	**Chapter 3 Parallel and Perpendicular Lines** • Lesson 3.4 Perpendicular Lines • Lesson 3.5 Slopes of lines	3.4 Perpendicular Lines 3.5 Slope and Lines
	6 9/12 – 9/16	**Chapter 3 Parallel and Perpendicular Lines** • Lesson 3.6 Lines in the coordinate plane • Review Assessment	3.6 Lines in the Coordinate Plane
	7 9/19 – 9/23	**Chapter 4 Triangle Congruence** • Lesson 4.2 Classifying triangles • Lesson 4.3 Angle relationships • Lesson 4.9 Isosceles and equilateral triangles • Assessment	4.2 Classify Triangles 4.2 Angle Relationship 4.9 Isosceles and equilateral triangles
	8 9/26 – 9/30	**Chapter 5 Properties of Attributes of Triangles** • Lesson 5.1 Perpendicular and angle bisectors • Lesson 5.2 Bisectors of triangles	5.1 Angle Bisectors 5.2 Bisectors of Triangles

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	9 10/3 – 10/7	**Chapter 5 Properties of Attributes of Triangles** • Lesson 5.3 Medians and altitudes • Lesson 5.4 Triangle mid segment theorem	5.3 Medians and altitudes 5.4 Triangle Mid segment Theorem
	10 10/10 – 10/14	**Chapter 5 Properties of Attributes of Triangles** • Lesson 5.5 Indirect proof and inequalities in one triangle • Lesson 5.6 Inequalities in two triangles • Review • Assessment	5.5 Indirect Proof and Inequalities 5.6 Inequalities in Two Triangles

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	Week	Major Concepts / Topics	Possible Resources
Quarter 2 Oct 18 – Dec 21	1 10/18 – 10/21	**Chapter 1 Foundations for Geometry** • Lesson 1.7 Transformations in the coordinate plane **Chapter 9 Extending Transformational Geometry** • Lesson 9.1 Reflections • Lesson 9.2 Translations • Lesson 9.3 Rotations	1.7 Transformations 9.1 Reflections 9.2 Translations 9.3 Rotations
	2 10/24 – 10/28	**Chapter 9 Extending Transformational Geometry** • Lesson 9.4 Compositions of transformations • Lesson 9.5 Symmetry • Assessment	9.4 Composition of transformations 9.5 Symmetry
	3 10/31 – 11/4	**Chapter 4 Triangle Congruence** • Lesson 4.1 Congruence in transformations • Lesson 4.4 Congruent Triangles • Lesson 4.5 Congruent Triangles: SSS, SAS, ASA, AAS, HL • Lesson 4.6 Congruent Triangles: SSS, SAS, ASA, AAS, HL	4.1 Congruency in transformations 4.5 Congruent Triangles 4.6 Congruent Triangle Practice
	4 11/7 – 11/10	**Chapter 4 Triangle Congruence** • Lesson 4.7 Triangle Congruence CPCTC • Lesson 4.8 Coordinate Proofs • Assessment	4.7 Triangle Congruency Proofs
	5 11/14 – 11/18	**Chapter 6 Polygons and Quadrilaterals** • Lesson 6.1 Properties of regular polygons • Lesson 6.2 Properties of parallelograms • Lesson 6.3 Conditions of parallelograms	6.1 Properties of regular polygons 6.2 Properties of parallelograms 6.3 Conditions of parallelograms
	6 11/21 – 11/22	**Chapter 6 Polygons and Quadrilaterals** • Lesson 6.4 Properties of special parallelograms	6.4 Conditions of parallelograms
	7 11/28 – 12/2	**Chapter 6 Polygons and Quadrilaterals** • Lesson 6.5 Conditions for special parallelograms • Lesson 6.6 Properties of kites and trapezoids • Review • Assessment	6.5 Conditions of Special Parallelograms Rhombus 6.6 Properties of Kites and Trapezoids
	8 12/5 – 12/9	**Chapter 7 Similarity** • Lesson 7.1 Ratios in similar polygons • Lesson 7.2 Similarity in transformations • Lesson 7.3 Triangle similarity: AA, SSS, SAS	7.1 Rations in Similar polygons 7.2 Similarity in Transformations 7.3 Similarity Triangle Practice

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	9 12/12 – 12/16	• Semester Review	
	10 12/19 – 12/21	• Semester Exams	

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Quarter 3 Jan 5 – Mar 10	1 1/5 – 1/6	**Chapter 7 Similarity** • Lesson 7.4 Applying properties of similar triangles	7.4 Triangle Congruency Proofs
	2 1/9 – 1/13	• Lesson 7.5 Using proportional relationships • Lesson 7.6 Dilations and similarity in the coordinate plane **Chapter 9 Extending Transformational Geometry** • Lesson 9.7 Congruence transformations • Assessment	7.6 Dilations and similarity in the coordinate plane 9.7 Congruence Transformations
	3 1/17 – 1/20	• Lesson 8.1 Similarity in right triangles • Lesson 8.2 Trigonometric ratios • Lesson 8.3 Solving right triangles	8.1 Similarity in right triangles 8.2 Trigonometric Ratios 8.3 Solving Right Triangles
	4 1/23 – 1/27	**Chapter 8 Right Triangles and Trigonometry** • Lesson 8.4 Angles of elevation and depression • Review • Assessment	8.4 Angles of elevation and depression
	5 1/30 – 2/3	**Chapter 10 Extending Perimeter, Circumference, and Area** • Lesson 10.1 Developing formulas for triangles and quadrilaterals • Lesson 10.2 Developing formulas for circles	10.1 Developing formulas for triangles and quadrilaterals 10.2 Developing Formulas for Circles
	6 2/6 – 2/10	**Chapter 10 Extending Perimeter, Circumference, and Area** • Lesson 10.4 Perimeter and area in the coordinate plane • Lesson 10.5 Effects of changing dimensions proportionally • Assessment	10.4 Area of shapes on coordinate plane 10.5 effects of changing dimensions
	7 2/13 – 2/16	**Chapter 11 Spatial Reasoning** • Lesson 11.1 Solid geometry • Lesson 11.2 Volumes of prisms and cylinders • Lesson 11.4 Volume of spheres	11.1 Solid Geometry 11.2 Volume of Cylinder 11.4 Volume of Sphere
	8 2/21 – 2/24	• Surface Area of all polygons • Review	Surface Area
	9 2/27 – 3/3	**Chapter 11 Spatial Reasoning** • Volume Assessment **Chapter 12 Circles** • Lesson 12.1 Lines that intersect circles	
	10 3/6 – 3/10	**Chapter 12 Circles** • 12.2 Arcs and Chords	12.2 Arcs and Chords

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	Week	Major Concepts / Topics	Possible Resources
Quarter 4 Mar 21 – May 24	1 3/12 – 3/24	**Chapter 12 Circles** • 12.3 Sector area • 12.4 Inscribed angles • 12.5 Angle relationships and circles	12.3 Sector Area 12.4 Inscribed angles
	2 3/27 – 3/31	**Chapter 12 Circles** • Lesson 12.6 Segment relationships in circles • Lesson 12.7 Circles in the coordinate plane • Assessment	12.6 Secant tangent product theorem 12.7 Graphing circles on the coordinate plane
	3 4/3 – 4/7	• Course Review	Paper Based EOC Practice Test Computer Based EOC Practice Test
	4 4/10 – 4/13	• Course Review	
	5 4/17 – 4/21	• Course Review	
	6 4/24 – 4/28	• Standards Based Performance Tasks	
	7 5/1 – 5/5	• Standards Based Performance Tasks and Algebra Standards Review	
	8 5/8 – 5/12	• Standards Based Performance Tasks	
	9 5/15 – 5/19	• Standards Based Performance Tasks	
	10 5/22 – 5/24	• Final Exams	

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