Please Note:

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Teachers may use a wide variety of instructional materials throughout their course. The Possible Resources listed may include the district adopted instructional resource or supplemental resources that align to the topic and/or standard. These Possible Resources provide sample problems that align to the topic/standard.

Publisher Resource:

<u>Textbook Online Resources</u> (use Student Active Directory)

Other Course Supplemental Resources:

Math Nation (use student Active Directory)

Geometry - Khan Academy

IXL Math – High School Standards

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

Geometry FSA EOC Mathematics Computer-Based PRACTICE TEST

Geometry FSA EOC Computer-Based Practice Test Answer Key

<u>Mathematics Practice Tests – PARCC (Partnership for Assessment of Readiness for College and Careers)</u>
<u>Mathematics Answer Keys – PARCC</u>

Additional Practice of Course Standards

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	Week	Major Concepts / Topics	Possible Resources
	1	Chapter 1 Tools of Geometry	
	8/10 - 8/11	Algebra Review (Simplify Radicals, Equations of Lines)	
		Chapter 1 Tools of Geometry	Lesson 1.1 - Khan Academy
		Lesson 1.1 - Points, Lines, Planes	Lesson 1.2 - Khan Academy
		Lesson 1.2 - Linear Measure	Lesson 1.3 - Khan Academy
		Lesson 1.3 - Distance & Midpoint	Lesson 1.3 - Khan Academy
	2	Lesson 1.4 - Angle Measures	Lesson 1.4 - Khan Academy
	8/14 – 8/18	Constructions (4 Basic)	Constructions- Khan Academy
			Copy A Segment
			Copy An Angle
			Bisect A Line
		45 A 1 B 1 2 1 2	Bisect An Angle
		Lesson 1.5 - Angle Relationships	Lesson 1.5 - Khan Academy
		• Lesson 1.6 - 2D Figures, Polygons	Lesson 1.6 - You Tube
	3	Lesson 1.6 - Applications (basic area)	Lesson 1.6 Applications - You Tube
	8/21 – 8/25	• Lesson 1.3 - Applications (perimeter)	Lesson 1.3/1.6 Applications <u>You Tube</u>
Quarter 1		Chapter 2 Reasoning and Proof	Lesson 2.6 - <u>You Tube</u>
Aug 10 – Oct 13		Lesson 2.6 - Algebraic Proofs	Lesson 2.5 - Khan Academy
		Lesson 2.5 - Post & paragraph proofs	
	4	Lesson 2.7 - Proving Segment Relationships	Lesson 2.7 - Khan Academy
	8/28 – 9/1	Lesson 2.8 - Proving Angle Relationships	Lesson 2.8 - Khan Academy
		Ch. 1/2 Review Activities	
	5	Assessment	
	9/5 – 9/8	Chapter 3 Parallel and Perpendicular Lines	24 14 4 1
		Lesson 3.1 - Parallel Lines & Transversals	Lesson 3.1 - Khan Academy
		Lesson 3.2 - Angles & Parallel Lines	Lesson 3.2 - Khan Academy
	6 9/11 – 9/15	Lesson 3.3 - Slopes of Lines	Lesson 3.3 – Khan Academy
		Lesson 3.4 - Equations of Lines	Lesson 3.4 – Khan Academy
	, ,	Lesson 3.5 - Proving Lines Parallel	Parallel vs. Perpendicular <u>Khan Academy</u>
			Lesson 3.5 - Khan Academy
	_	Lesson 3.5 - Proving Lines Parallel (Proofs)	Lesson 3.6 - Khan Academy
	7 9/18 – 9/22	Lesson 3.6 - Perpendiculars & Distance	Constructions - Khan Academy
		Constructions	Parallel Lines Perpendicular Lines
		Ch 2 Daview Askirking	Perpendicular Lines
	8	Ch. 3 Review Activities	
	9/25 – 9/29	Assessment	

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	 Chapter 4 Congruent Triangles Lesson 4.1 - Classifying Triangles Lesson 4.2 - Angles of Triangles Lesson 4.3 - Congruent Triangles/Lesson 4.7 - Congruence Transformations Lesson 4.7 - Congruence Transformations/Discovery of SSS, SAS, ASA, AAS 	Lesson 4.1 - <u>Khan Academy</u> Lesson 4.2 - <u>Khan Academy</u> Lesson 4.3 - <u>Khan Academy</u> Lesson 4.7 - <u>You Tube</u>
9 10/2 – 10/	 Lesson 4.5- Proving Triangles Congruent: ASA, AAS Lesson 4.4, 4.5 - proofs HL theorem and CPCTC Lesson 4.6 - Isosceles & Equilateral Triangles 	Lesson 4.5 - Khan Academy Lesson 4.4 Triangle Congruence- Khan Academy Lesson 4.6 - You Tube
10 10/9 – 10/2	 Lesson 4.8 - Triangles & Coordinate Proof Review Activities Assessment 	Lesson 4.8 - <u>You Tube</u> Lesson 4.8 - <u>You Tube</u>

	Week	Major Concepts / Topics	Possible Resources
	1 10/17 – 10/20	 Chapter 5 Relationships in Triangles Constructions (Incenter, Circumcenter, Centroid) Constructions (Circumscribed and Inscribed Circles) 	Incenter Circumcenter Centroid Circumscribe A Circle Inscribe A Circle
	2 10/23 – 10/27	 Lesson 5.1 - Bisectors of Triangles Lesson 5.2 - Medians & Altitudes Lesson 5.3 - Inequalities in 1 Triangle Lesson 5.5 - The Triangle Inequality Lesson 5.6 - Inequalities in 2 Triangles 	Lesson 5.1 - Khan Academy Lesson 5.2 - Khan Academy Lesson 5.3 - You Tube Lesson 5.5 - Khan Academy Lesson 5.6 - You Tube
	3 10/30 – 11/3	 Ch. 5 Review Activities Assessment Chapter 6 Quadrilaterals Lesson 6.1 - Angles of Polygons Lesson 6.2 - Parallelograms 	Lesson 6.1- <u>Khan Academy</u> Lesson 6.2- <u>Khan Academy</u>
Quarter 2 Oct 17 – Dec 21	4 11/6 – 11/9	 Lesson 6.3 - Tests for Parallelograms Lesson 6.4 - Rectangles Lesson 6.5 - Rhombi & Squares Lesson 6.6- Trapezoids & Kites 	Lesson 6.3 - Khan Academy Lesson 6.4 - Khan Academy Lesson 6.5 - Khan Academy Lesson 6.6 - Khan Academy
	5 11/13 – 11/17	 Lesson Quadrilateral Coordinates Quadrilateral Proofs Ch. 6 Review Activities Assessment 	Lesson Quad. Coordinates/Proofs Khan Academy
	6 11/20 – 11/21	 Chapter 7 Proportions and Similarity Lesson 7.1 - Ratios & Proportions Lesson 7.2 - Similar Polygons Lesson 7.6 - Similarity Transformations 	Lesson 7.1 - <u>You Tube</u> Lesson 7.2 - <u>Khan Academy</u> Lesson 7.6 - <u>You Tube</u>
	7 11/27 – 12/1	 Lesson 7.3 - Similar Triangles Lesson 7.4 - Parallel Lines & Proportional Parts Lesson 7.5 - Parts of Similar Triangles Lesson 7.7 - Scale Drawings & Models 	Lesson 7.3 - <u>Khan Academy</u> Lesson 7.4 - Parallel <u>Khan Academy</u> Lesson 7.5- <u>Khan Academy</u> Lesson 7.7- <u>Khan Academy</u>
	8 12/4 – 12/8	 Partitioning a Directed Segment Ch. 7 Review Activities Assessment 	Partitioning a Segment Partitioning Segment II Partitioning Segment Construction

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	Partitioning A Segm	ent Using Slope
9	Semester Exam Review	
12/11 – 12/15	District Exams	
10	District Exams	
12/18 – 12/21	•	

Quarter 3	arter 3 Made Major Concents / Tomics Po		
Jan 8 – Mar 15	Week	Major Concepts / Topics	Possible Resources
	Week	Major Concepts / Topics	Possible Resources
	1 1/8 – 1/12	 Chapter 8 Right Triangles and Trigonometry Lesson 8.1 - Geometric Mean Lesson 8.2 - Pythagorean Theorem & Converse Lesson 8.3 - Radicals Review Lesson 8.3 - Special Right Triangles Lesson 8.4 - Trigonometry 	Geometric Mean Easy Geometric Mean Hard Geometric Mean Triangles Lesson 8.2 - Khan Academy Lesson 8.3 - Khan Academy Lesson 8.4 - Khan Academy
	2 1/16 – 1/19	 Chapter 8 Right Triangles and Trigonometry Lesson 8.4 - Trigonometry Lesson 8.5 - Angles of Elevation and Depression Ch. 8 Review Activities 	Lesson 8.5 - Khan Academy
Quarter 3 Jan 8 – Mar 15	3 1/22 – 1/26	 Chapter 8 Right Triangles and Trigonometry Assessment Chapter 9 Transformations and Symmetry Lesson 9.1 - Reflections Lesson 9.2 - Translations Lesson 9.3 - Rotations Lesson 9.5 - Symmetry 	Lesson 9.1 - Khan Academy Lesson 9.2 - Khan Academy Lesson 9.3 - Khan Academy Lesson 9.5 - Khan Academy
	4 1/30 – 2/2	 Lesson 9.4 - Compositions of Transformations Lesson 9.6 - Dilations Activity 	Lesson 9.4 - <u>Kahn Academy</u> Lesson 9.6 - <u>Khan Academy</u>
	5 2/5 – 2/9	 Ch.9 Review Activities Assessment Chapter 10 Circles Lesson 10.1 - Circles and Circumference Lesson 10.2 - Measuring Angles and Arcs (including radian measure) Lesson 10.3 - Arcs & Chords 	Lesson 10.1 - <u>Khan Academy</u> Lesson 10.2 - <u>Khan Academy</u> Lesson 10.3 - <u>Khan Academy</u>
	6 2/12 – 2/16	 Lesson 10.4 - Inscribed Angles Lesson 10.5 - Tangents Constructions Lesson 10.6 - Secants, Tangents, & Angle Measures Lesson 10.7 - Special Segments in a Circle 	Lesson 10.4 - <u>Khan Academy</u> Lesson 10.5 - <u>Khan Academy</u> Lesson 10.6 - <u>Khan Academy</u> Lesson 10.7 - <u>Khan Academy</u>

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	7 2/20 – 2/23	 Lesson 10.8 - Equations of Circles Completing the Square with Equations of Circles Constructions/Activities 	Lesson 10.8 - Khan Academy
	8 2/26 – 3/2	 Ch. 10 Review Assessment Chapter 11 Areas of Polygons and Circles Lesson 11.1 - Area of Parallelograms & Triangles Lesson 11.2 - Area of Trapezoids, Rhombi, Kites 	Lesson 11.1 - <u>Khan Academy</u> Lesson 11.2 - <u>Khan Academy</u>
	9 3/5 – 3/9	 Extend 11.2 Lab - Density Lesson 11.3 - Areas of Circles & Sectors (including radian measure) Lesson 11.4 - Areas of Composite Figures Lesson 11.4 - Areas of Regular Polygons Lesson 11.5 - Areas of Similar Figures 	Extend 11.2 Lab <u>Khan Academy</u> Lesson 11.3 - <u>Khan Academy</u> Lesson 11.4 - <u>Khan Academy</u> Lesson 11.5 - <u>Khan Academy</u>
	10 3/12 – 3/15	 Ch.11 Review Activities Assessment Lesson 1.7 – 3D figures Chapter 12 Extending Surface Area and Volume Lesson 12.1 - Representations of Three-dimensional Figures Chapter 9 Transformations and Symmetry Extend 9.3 Lab - Solids of Revolution 	Lesson 12.1 - <u>Khan Academy</u> Extend 9.3 Lab – <u>Khan Academy</u>

	Week	Major Concepts / Topics	Possible Resources
	1 3/19 – 3/23	 Chapter 12 Extending Surface Area and Volume Lesson 12.2 - Surface Area of Prisms & Cylinders Lesson 12.4 - Volume of Prisms & Cylinders Lesson 12.3 - Surface Area of Pyramids & Cones Lesson 12.5 - Volume of Pyramids & Cones 	Lesson 12.2 - Khan Academy Lesson 12.4 - Khan Academy Lesson 12.3 - Khan Academy Lesson 12.5 - Khan Academy
	2 3/26 – 3/30	SPRING BREAK – NO SCHOOL	
	3 4/2 – 4/6	 Lesson 12.6 - Surface Area & Volume of Spheres Lesson 12.8 - Congruent and Similar Solids Ch. 12 Review Activities Assessment Geometry Standards Review 	Lesson 12.6 - <u>Khan Academy</u> Lesson 12.8 - <u>Khan Academy</u>
Quarter 4 Mar 19 – May 24	4 4/9 – 4/13	Geometry Standards Review	
Iviai 13 – Iviay 24	5 4/16 – 4/20	Geometry Standards Review	
	6 4/23 – 4/27	 Chapter 8 Right Triangles and Trigonometry Lesson 8.6 - Law of Sines and Cosines Conic Sections - Parabola Conic Sections - Ellipse 	Lesson 8.6 - <u>Khan Academy</u> Parabola <u>Khan Academy</u> Ellipse <u>Khan Academy</u>
	7 4/30 – 5/4	Conic Sections – Hyperbola	Hyperbola <u>Khan Academy</u>
	8 5/7 – 5/11	Review Activities	
	9 5/14 – 5/18	Exam Week	
	10 5/21 – 5/24	Exam Week	