

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:

[Pearson](#) (select your grade and course level and use your active directory)

Other Course Supplemental Resources:

[Khan Academy](#) (Geometry; does not support Internet Explorer)

[Math Nation](#) (Clever – use your active directory; does not support Internet Explorer)

[FSA Portal](#)

[Geometry EOC Test Item Specifications](#)

[Geometry FSA Computer-Based Practice Test Answer Key](#)

[PARCC \(Partnership for Assessment of Readiness for College and Careers\) - Mathematics Practice Tests with Answer Keys](#)

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Geometry

2021-2022

	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 16 – Oct 15	1 8/16 – 8/20	<ul style="list-style-type: none"> ● 1-1 Measuring Segments and Angles ● 1-2 Basic Constructions ● 1-3 Midpoint and Distance 	Unit: Geometric constructions - Khan Academy Measuring line segments – Khan Academy Measuring angles - Khan Academy Angle construction - Khan Academy Congruent angle construction - Khan Academy Unit: Analytic geometry - Khan Academy Distance formula - Khan Academy Midpoint formula – Khan Academy
	2 8/23 – 8/27	<ul style="list-style-type: none"> ● 1-5 Conditional Statements ● 1-6 Deductive Reasoning 	Deductive reasoning - Khan Academy
	3 8/30 – 9/3	<ul style="list-style-type: none"> ● 1-7 Writing Proofs ● Remediation ● Review ● Assessment 	Congruent triangle proof example – Khan Academy
	4 9/6 – 9/10	<ul style="list-style-type: none"> ● Labor Day Holiday – 9/6 ● 2-1 Properties of Parallel Lines ● 2-2 Proving Lines Parallel 	Intro to parallel and perpendicular lines - Khan Academy Angles, parallel lines and transversals (8th grade)– Khan Academy Proving Lines Parallel – Khan Academy
	5 9/13 – 9/17	<ul style="list-style-type: none"> ● Interims Issued – 9/14 ● 2-3 Parallel Lines and Triangles ● 2-4 Slopes of Parallel and Perpendicular Lines 	Angles in a triangle sum proof – Khan Academy Parallel lines from equation - Khan Academy Perpendicular lines from equation - Khan Academy
	6 9/20 – 9/24	<ul style="list-style-type: none"> ● Remediation ● Review ● Assessment ● 3-1 Reflections 	Unit: Performing transformations - Khan Academy Reflections – Khan Academy
	7 9/27 – 10/1	<ul style="list-style-type: none"> ● 3-2 Translations ● 3-3 Rotations ● 3-4 Classification of Isometries 	Translating shapes - Khan Academy Rotations – Khan Academy Rigid transformations intro - Khan Academy
	8 10/4 – 10/8	<ul style="list-style-type: none"> ● 3-5 Symmetry ● Remediation ● Review ● Assessment ● 4-1 Congruence 	Reflective symmetry - Khan Academy Rotational symmetry - Khan Academy
	9 10/11 – 10/15	<ul style="list-style-type: none"> ● 4-2 Isosceles and Equilateral Triangles ● PSAT/NMSQT – 10/13 	Congruent shapes and transformations - Khan Academy Isosceles and equilateral triangles – Khan Academy

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| | <ul style="list-style-type: none">• 4-3 Proving and Applying the SAS and SSS Congruence Criteria | |
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Quarter 2 Oct 19 – Dec 21	1 10/19 – 10/22	<ul style="list-style-type: none"> 4-3 Proving and Applying the SAS and SSS Congruence Criteria 4-4 Proving and Applying the ASA and AAS Congruence 	CPCTC – Khan Academy Congruent angles in congruent triangles – Khan Academy Triangle congruence postulates - Khan Academy
	2 10/25 – 10/29	<ul style="list-style-type: none"> Report Cards – 10/26 4-5 Congruence in Right Triangles 4-6 Congruence in Overlapping Triangles Remediation 	Determining congruent triangles - Khan Academy
	3 11/1 – 11/5	<ul style="list-style-type: none"> Review Assessment 5-1 Perpendicular and Angle Bisectors 5-2 Bisectors in Triangles 	<i>Unit: Triangles</i> - Khan Academy Perpendicular bisector - Khan Academy Angle bisector - Khan Academy Circumcenter – Khan Academy
	4 11/8 – 11/12	<ul style="list-style-type: none"> 5-3 Medians and Altitudes Veterans Day 11/11 5-4 Inequalities in One Triangle 	Triangle medians and centroids - Khan Academy Triangle altitudes are concurrent - Khan Academy Triangle Inequality Theorem (7th) - Khan Academy
	5 11/15 – 11/19	<ul style="list-style-type: none"> Interims Issued – 11/16 5-5 Inequalities in Two Triangles Remediation 	
	6 11/22 – 11/26	<ul style="list-style-type: none"> Review Assessment Thanksgiving Holiday 11/24 – 11/26 	
	7 11/29 – 12/3	<ul style="list-style-type: none"> 6-1 The Polygon Angle Sum Theorems 6-2 Kites and Trapezoids 	Sum of interior angles of a polygon - Khan Academy Diagonals of kites are perpendicular - Khan Academy
	8 12/6 – 12/10	<ul style="list-style-type: none"> 6-3 Properties of Parallelograms 6-4 Proving a Quadrilateral is a Parallelogram 	Opposite sides of parallelograms - Khan Academy
	9 12/13 – 12/17	<ul style="list-style-type: none"> 6-5 Properties of Rhombuses, Rectangles, and Squares Midterms 	
	10 12/20 – 12/24	<ul style="list-style-type: none"> Second Quarter/First Semester Ends – 12/21 Winter Break – 12/22 – 1/4 	

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Quarter 3 Jan 6 – Mar 10	1 1/6 – 1/7	<ul style="list-style-type: none"> 6-5 Properties of Rhombuses, Rectangles, and Squares 6-6 Conditions of Rhombuses, Rectangles, and Squares 	
	2 1/10 – 1/14	<ul style="list-style-type: none"> Remediation Review Assessment 7-1 Dilations 	Dilating points - Khan Academy Dilations: scale factor - Khan Academy
	3 1/17 – 1/21	<ul style="list-style-type: none"> Martin Luther King Jr. Holiday – 1/17 7-2 Similarity Transformations 7-3 Proving Triangles Similar Report Cards – 1/19 	Solving similar triangles - Khan Academy Solving similar triangles: same side plays different roles - Khan Academy
	4 1/24 – 1/28	<ul style="list-style-type: none"> 7-4 Similarity in Right Triangles 7-5 Proportions in Triangles 	
	5 1/31 – 2/4	<ul style="list-style-type: none"> Remediation Review Assessment 8-1 Right Triangles and the Pythagorean Theorem 	Pythagorean theorem with isosceles triangles - Khan Academy Right triangle word problem - Khan Academy
	6 2/7 – 2/11	<ul style="list-style-type: none"> Teacher Inservice – 2/7 Interims Issued – 2/8 8-2 Trigonometric Ratios 8-5 Problem Solving with Trigonometry 	Triangle similarity and the trig ratios - Khan Academy Intro to the trig ratios - Khan Academy Trig challenge problem: trig values and side ratios - Khan Academy
	7 2/14 – 2/18	<ul style="list-style-type: none"> Remediation Review Assessment 	
	8 2/21 – 2/25	<ul style="list-style-type: none"> Presidents Day Holiday – 2/21 9-1 Polygons in the Coordinate Plane 9-2 Proofs using Coordinate Geometry 	Quadrilaterals in the coordinate plane - Khan Academy
	9 2/28 – 3/4	<ul style="list-style-type: none"> 9-3 Circles in the Coordinate Plane 	Standard equation of a circle - Khan Academy
	10 3/7 – 3/10	<ul style="list-style-type: none"> Remediation Review Assessment 	

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Quarter 4 Mar 14 – June 2	1 3/14 – 3/18	<ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL 	
	2 3/21 – 3/25	<ul style="list-style-type: none"> • 10-1 Arcs and Sectors • 10-2 Lines Tangent to a Circle 	Unit: Circles - Khan Academy Into to arc measure - Khan Academy Area of a sector - Khan Academy Proof: Radius is perpendicular to tangent line - Khan Academy
	3 3/28 – 4/1	<ul style="list-style-type: none"> • Report Cards – 3/29 • 10-3 Chords • 10-4 Inscribed Angles • 10-5 Secant Lines and Segments 	Inscribed angles - Khan Academy Secant line with arbitrary point - Khan Academy
	4 4/4 – 4/8	<ul style="list-style-type: none"> • Remediation • Review • Assessment 	
	5 4/11 – 4/15	<ul style="list-style-type: none"> • 11-1 Space Figures and Cross Sections • 11-2 Prisms and Cylinders • Holiday – 4/15 	Cross sections: cube - Khan Academy Volume of a rectangular prism - Khan Academy Cylinder volume and surface area - Khan Academy
	6 4/18 – 4/22	<ul style="list-style-type: none"> • Holiday – 4/18 • 11-3 Pyramids and Cones • 11-4 Spheres 	Volume of a pyramid - Khan Academy Volume of a cone - Khan Academy Volume of a sphere - Khan Academy
	7 4/25 – 4/29	<ul style="list-style-type: none"> • Interims Issued – 4/26 • Remediation • Review • Assessment 	
	8 5/2 – 5/6 5/2 – 5/27 - FSA/EOC Testing Window	<ul style="list-style-type: none"> • Course Standards Review 	
	9 5/9 – 5/13	<ul style="list-style-type: none"> • Course Standards Review 	
	10 5/16 – 5/20	<ul style="list-style-type: none"> • Course Standards Review 	

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	11 5/23 – 5/27	<ul style="list-style-type: none">• Course Standards Review	
	12 5/30 – 6/2	<ul style="list-style-type: none">• Memorial Day Holiday – 5/30	

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