Geometry Honors

Please Note:

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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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	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 31 - Oct 30	1 8/31 – 9/4	• 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 9/7 – 9/11	• Labor Day Holiday – 9/7 • 1-5 Conditional Statements • 1-6 Deductive Reasoning	Deductive reasoning - [Khan Academy](#)
	3 9/14 – 9/18	• 1-7 Writing Proofs • Remediation • Review	Congruent triangle proof example – [Khan Academy](#)
	4 9/21 – 9/25	• Assessment • 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 9/28 – 10/2	• 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 10/5 – 10/9	• Remediation • Review • Assessment	
	7 10/12 – 10/16	• PSAT 10/14 • 3-1 Reflections • 3-2 Translations • 3-3 Rotations	*Unit: Performing transformations -* [*Khan Academy*](#) Reflections – [Khan Academy](#) Translating shapes - [Khan Academy](#) Rotations – [Khan Academy](#)
	8 10/19 – 10/23	• 3-4 Classification of Isometries • 3-5 Symmetry • Remediation • Review	Rigid transformations intro - [Khan Academy](#) Reflective symmetry - [Khan Academy](#) Rotational symmetry - [Khan Academy](#)

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9 10/26 – 10/30	• Assessment • 4-1 Congruence • 4-2 Isosceles and Equilateral Triangles	Congruent shapes and transformations - Khan Academy Isosceles and equilateral triangles – Khan Academy

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Quarter 2 Nov 2 - Jan 25*	1 11/2 – 11/6	• Teacher Planning Day 11/3 • 4-3 Proving and Applying the SAS and SSS Congruence Criteria • 4-4 Proving and Applying the ASA and AAS Congruence Criteria	CPCTC – Khan Academy Congruent angles in congruent triangles – Khan Academy Triangle congruence postulates - Khan Academy
	2 11/9 – 11/13	• Veterans Day 11/11 • 4-5 Congruence in Right Triangles • 4-6 Congruence in Overlapping Triangles	Determining congruent triangles - Khan Academy
	3 11/16 – 11/20	• Remediation • Review	
	4 11/23 – 11/27	• Assessment • Thanksgiving Holiday 11/25 - 11/27	
	5 11/30 – 12/4	• 5-1 Perpendicular and Angle Bisectors • 5-2 Bisectors in Triangles • 5-3 Medians and Altitudes	*Unit: Triangles - Khan Academy* Perpendicular bisector - Khan Academy Angle bisector - Khan Academy Circumcenter – Khan Academy Triangle medians and centroids - Khan Academy Triangle altitudes are concurrent - Khan Academy
	6 12/7 – 12/11	• 5-4 Inequalities in One Triangle • 5-5 Inequalities in Two Triangles	Triangle Inequality Theorem (7th) - Khan Academy
	7 12/14 – 12/18	• Remediation • Review • Assessment • Winter Break 12/21 – 1/1	
	8 1/4 – 1/8	• 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
	9 1/11 – 1/15	• 6-3 Properties of Parallelograms • 6-4 Proving a Quadrilateral is a Parallelogram • 6-5 Properties of Rhombuses, Rectangles, and Squares • 6-6 Conditions of Rhombuses, Rectangles, and Squares	Opposite sides of parallelograms - Khan Academy
	10 1/18 – 1/22*	• Martin Luther King Jr. Holiday 1/18 • Remediation	

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		- Review - Assessment *Second Quarter/First Semester Ends – Monday, January 25, 2021	

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Quarter 3 Jan 26 – Apr 8	1 1/25* – 1/29	• 7-1 Dilations • 7-2 Similarity Transformations • Teacher Planning Day 1/29	Dilating points - Khan Academy Dilations: scale factor - Khan Academy
	2 2/1 – 2/5	• 7-3 Proving Triangles Similar • 7-4 Similarity in Right Triangles	Solving similar triangles - Khan Academy Solving similar triangles: same side plays different roles - Khan Academy
	3 2/8 – 2/12	• 7-5 Proportions in Triangles • Remediation	
	4 2/15 – 2/19	• Presidents Day Holiday 2/15 • Review • Assessment	
	5 2/22 – 2/26	• 8-1 Right Triangles and the Pythagorean Theorem • 8-2 Trigonometric Ratios	Pythagorean theorem with isosceles triangles - Khan Academy Right triangle word problem - Khan Academy Triangle similarity and the trig ratios -Khan Academy
	6 3/1 – 3/5	• 8-3 HONORS Laws of Sines • 8-4 HONORS Laws of Cosines	Intro to the trig ratios - Khan Academy Trig challenge problem: trig values and side ratios - Khan Academy
	7 3/8 – 3/12	• 8-5 Problem Solving with Trigonometry • Remediation	
	8 3/15 – 3/19	• Review • Assessment • Spring Break 3/17 – 3/19	
	9 3/22 – 3/26	• 9-1 Polygons in the Coordinate Plane • 9-2 Proofs using Coordinate Geometry • 9-3 Circles in the Coordinate Plane	Quadrilaterals in the coordinate plane - Khan Academy Standard equation of a circle - Khan Academy
	10 3/29 – 4/2	• 9-4 HONORS Parabolas in the Coordinate Plane • 9-5 HONORS Ellipses • 9-6 HONORS Hyperbolas • Holiday 4/2	Equation of a parabola from focus and directrix - Khan Academy Foci of an ellipse from equation - Khan Academy Intro to hyperbolas - Khan Academy

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	11 4/5 – 4/9	• Remediation • Review • Assessment • Teacher Planning Day 4/9	

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Quarter 4 Apr 12 – Jun 10	1 4/12 – 4/16	• 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
	2 4/19 – 4/23	• 10-3 Chords • 10-4 Inscribed Angles • 10-5 Secant Lines and Segments	Inscribed angles - Khan Academy Secant line with arbitrary point - Khan Academy
	3 4/26 – 4/30	• Remediation • Review • Assessment	
	4 5/3 – 5/7 <mark>May 3 - FSA Testing Window Opens</mark>	• 11-1 Space Figures and Cross Sections • 11-2 Prisms and Cylinders	Cross sections: cube - Khan Academy Volume of a rectangular prism - Khan Academy Cylinder volume and surface area - Khan Academy
	5 5/10 – 5/14	• 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
	6 5/17 – 5/21	• Remediation • Review • Assessment • Standards Review	
	7 5/24 – 5/28	• Standards Review	
	8 5/31 – 6/4	• Memorial Day Holiday 5/31 • Standards Review	
	9 6/7 – 6/10	• Standards Review	

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