

**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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# Geometry Honors

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

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

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# Geometry Honors

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

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

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

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