

Please Note:

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Publisher Resource:

[Textbook Online Resources](#) (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](#)

[Mathematics Practice Tests – PARCC \(Partnership for Assessment of Readiness for College and Careers\)](#)

[Mathematics Answer Keys – PARCC](#)

[Additional Practice of Course Standards](#)

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Geometry Honors

2017 – 2018

	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 13	1 8/10 - 8/11	<ul style="list-style-type: none"> • Chapter 1 Tools of Geometry • Algebra Review (Simplify Radicals, Equations of Lines) 	
	2 8/14 – 8/18	<ul style="list-style-type: none"> • Chapter 1 Tools of Geometry • Lesson 1.1 - Points, Lines, Planes • Lesson 1.2 - Linear Measure • Lesson 1.3 - Distance & Midpoint • Lesson 1.4 - Angle Measures • Constructions (4 Basic) 	Lesson 1.1 - Khan Academy Lesson 1.2 - Khan Academy Lesson 1.3 - Khan Academy Lesson 1.3 - Khan Academy Lesson 1.4 - Khan Academy Constructions- Khan Academy Copy A Segment Copy An Angle Bisect A Line Bisect An Angle
	3 8/21 – 8/25	<ul style="list-style-type: none"> • Lesson 1.5 - Angle Relationships • Lesson 1.6 - 2D Figures, Polygons • Lesson 1.6 - Applications (basic area) • Lesson 1.3 - Applications (perimeter) • Chapter 2 Reasoning and Proof • Lesson 2.6 - Algebraic Proofs • Lesson 2.5 - Post & paragraph proofs 	Lesson 1.5 - Khan Academy Lesson 1.6 - You Tube Lesson 1.6 Applications - You Tube Lesson 1.3/1.6 Applications You Tube Lesson 2.6 - You Tube Lesson 2.5 - Khan Academy
	4 8/28 – 9/1	<ul style="list-style-type: none"> • Lesson 2.7 - Proving Segment Relationships • Lesson 2.8 - Proving Angle Relationships 	Lesson 2.7 - Khan Academy Lesson 2.8 - Khan Academy
	5 9/5 – 9/8	<ul style="list-style-type: none"> • Ch. 1/2 Review Activities • Assessment • Chapter 3 Parallel and Perpendicular Lines • Lesson 3.1 - Parallel Lines & Transversals 	Lesson 3.1 - Khan Academy
	6 9/11 – 9/15	<ul style="list-style-type: none"> • Lesson 3.2 - Angles & Parallel Lines • Lesson 3.3 - Slopes of Lines • Lesson 3.4 - Equations of Lines • Lesson 3.5 - Proving Lines Parallel 	Lesson 3.2 - Khan Academy Lesson 3.3 – Khan Academy Lesson 3.4 – Khan Academy Parallel vs. Perpendicular Khan Academy Lesson 3.5 - Khan Academy
	7 9/18 – 9/22	<ul style="list-style-type: none"> • Lesson 3.5 - Proving Lines Parallel (Proofs) • Lesson 3.6 - Perpendiculars & Distance • Constructions 	Lesson 3.6 - Khan Academy Constructions - Khan Academy Parallel Lines Perpendicular Lines
	8 9/25 – 9/29	<ul style="list-style-type: none"> • Ch. 3 Review Activities • Assessment 	

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	<ul style="list-style-type: none"> • 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 	<p>Lesson 4.1 - Khan Academy</p> <p>Lesson 4.2 - Khan Academy</p> <p>Lesson 4.3 - Khan Academy</p> <p>Lesson 4.7 - You Tube</p>
9 10/2 – 10/6	<ul style="list-style-type: none"> • Lesson 4.5- Proving Triangles Congruent: ASA, AAS • Lesson 4.4, 4.5 - proofs • HL theorem and CPCTC • Lesson 4.6 - Isosceles & Equilateral Triangles 	<p>Lesson 4.5 - Khan Academy</p> <p>Lesson 4.4 Triangle Congruence- Khan Academy</p> <p>Lesson 4.6 - You Tube</p>
10 10/9 – 10/13	<ul style="list-style-type: none"> • Lesson 4.8 - Triangles & Coordinate Proof • Review Activities • Assessment 	<p>Lesson 4.8 - You Tube</p> <p>Lesson 4.8 - You Tube</p>

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2017 – 2018

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Quarter 2 Oct 17 – Dec 21	1 10/17 – 10/20	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Ch. 5 Review Activities • Assessment • Chapter 6 Quadrilaterals • Lesson 6.1 - Angles of Polygons • Lesson 6.2 – Parallelograms 	Lesson 6.1- Khan Academy Lesson 6.2- Khan Academy
	4 11/6 – 11/9	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Lesson Quadrilateral Coordinates • Quadrilateral Proofs • Ch. 6 Review Activities • Assessment 	Lesson Quad. Coordinates/Proofs Khan Academy
	6 11/20 – 11/21	<ul style="list-style-type: none"> • Chapter 7 Proportions and Similarity • Lesson 7.1 - Ratios & Proportions • Lesson 7.2 - Similar Polygons • Lesson 7.6 - Similarity Transformations 	Lesson 7.1 - You Tube Lesson 7.2 - Khan Academy Lesson 7.6 - You Tube
	7 11/27 – 12/1	<ul style="list-style-type: none"> • 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 - Khan Academy Lesson 7.4 - Parallel Khan Academy Lesson 7.5- Khan Academy Lesson 7.7- Khan Academy
	8 12/4 – 12/8	<ul style="list-style-type: none"> • Partitioning a Directed Segment • Ch. 7 Review Activities • Assessment 	Partitioning a Segment Partitioning Segment II Partitioning Segment Construction

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			Partitioning A Segment Using Slope
	9 12/11 – 12/15	<ul style="list-style-type: none"> • Semester Exam Review • District Exams 	
	10 12/18 – 12/21	<ul style="list-style-type: none"> • District Exams • 	

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2017 – 2018

Quarter 3 Jan 8 – Mar 15	Week	Major Concepts / Topics	Possible Resources
Quarter 3 Jan 8 – Mar 15	Week 1 1/8 – 1/12	<ul style="list-style-type: none"> • 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
	Week 2 1/16 – 1/19	<ul style="list-style-type: none"> • 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
	Week 3 1/22 – 1/26	<ul style="list-style-type: none"> • 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
	Week 4 1/30 – 2/2	<ul style="list-style-type: none"> • Lesson 9.4 - Compositions of Transformations • Lesson 9.6 – Dilations • Activity 	Lesson 9.4 - Kahn Academy Lesson 9.6 - Khan Academy
	Week 5 2/5 – 2/9	<ul style="list-style-type: none"> • 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 - Khan Academy Lesson 10.2 - Khan Academy Lesson 10.3 - Khan Academy
	Week 6 2/12 – 2/16	<ul style="list-style-type: none"> • 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 - Khan Academy Lesson 10.5 - Khan Academy Lesson 10.6 - Khan Academy Lesson 10.7 - Khan Academy

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<p>7 2/20 – 2/23</p>	<ul style="list-style-type: none"> • Lesson 10.8 - Equations of Circles • Completing the Square with Equations of Circles • Constructions/Activities 	<p>Lesson 10.8 - Khan Academy</p>
<p>8 2/26 – 3/2</p>	<ul style="list-style-type: none"> • 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 	<p>Lesson 11.1 - Khan Academy Lesson 11.2 - Khan Academy</p>
<p>9 3/5 – 3/9</p>	<ul style="list-style-type: none"> • 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 	<p>Extend 11.2 Lab Khan Academy Lesson 11.3 - Khan Academy Lesson 11.4 - Khan Academy Lesson 11.5 – Khan Academy</p>
<p>10 3/12 – 3/15</p>	<ul style="list-style-type: none"> • 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 	<p>Lesson 12.1 - Khan Academy Extend 9.3 Lab – Khan Academy</p>

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Quarter 4 Mar 19 – May 24	1 3/19 – 3/23	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • SPRING BREAK – NO SCHOOL 	
	3 4/2 – 4/6	<ul style="list-style-type: none"> • 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 - Khan Academy Lesson 12.8 - Khan Academy
	4 4/9 – 4/13	<ul style="list-style-type: none"> • Geometry Standards Review 	
	5 4/16 – 4/20	<ul style="list-style-type: none"> • Geometry Standards Review 	
	6 4/23 – 4/27	<ul style="list-style-type: none"> • Chapter 8 Right Triangles and Trigonometry • Lesson 8.6 - Law of Sines and Cosines • Conic Sections - Parabola • Conic Sections – Ellipse 	Lesson 8.6 - Khan Academy Parabola Khan Academy Ellipse Khan Academy
	7 4/30 – 5/4	<ul style="list-style-type: none"> • Conic Sections – Hyperbola 	Hyperbola Khan Academy
	8 5/7 – 5/11	<ul style="list-style-type: none"> • Review Activities 	
	9 5/14 – 5/18	<ul style="list-style-type: none"> • Exam Week 	
	10 5/21 – 5/24	<ul style="list-style-type: none"> • Exam Week 	

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