



Honors Geometry Pacing Guide 2017-2018

Days	Units	Notes
10	Chapter 1 (1.1-1.7)	Foundations of Geometry identify point, line, plane; segment addition; midpoint & distance formulas; classify angles; angle pairs
8	Chapter 2A (2.1-2.4)	Reasoning inductive & deductive reasoning; conditional, related conditional, biconditional statements; laws of logic; point, line, plane postulates & diagrams
13	Chapter 2B (2.5-2.7)	Proof algebraic properties of equality; algebraic proofs, proofs about segments & angles
9	Chapter 9 (9.1, 9.2-9.7)	Transformations translations, reflections, rotations, composition of transformations, symmetry, dilations in the coordinate plane
End of Quarter 1		
10	Chapter 3 (3.1-3.6)	Parallel Lines & Linear Functions identify pairs of lines (parallel, perpendicular, skew); identify and use angle pairs formed by parallel lines and transversal; prove lines are parallel or perpendicular; find and use slope of a line, write and graph equations of lines
15	Chapter 4 (4.1, 4.7, 4.2, 4.3-4.5, 4.6)	Congruent Triangles classify triangles and find measures of angles in a triangle; isosceles and equilateral triangles; identify congruent figures; proofs about congruent triangles
10	Chapter 5 (5.1-5.6)	Relationships within Triangles Midsegment theorem; coordinate geometry; perpendicular bisectors; angle bisectors; medians altitudes; triangle inequalities; indirect proof
7	Supplemental	Probability Part I Counting Principle, Combinations, Permutations
End of Semester 1		
15	Chapter 6 (6.1-6.6)	Similar Figures ratios and proportions; use proportions to find missing segments in figures; proofs about similar figures; proportionality theorems
15	Chapter 7 (7.1-7.7)	Right Triangle Trigonometry Pythagorean theorem and its converse; similar right triangles; special right triangles (45-45-90, 30-60-90); right triangle trigonometry
10	Supplemental	Probability Part II Independent and Dependent Events, Conditional Probability
End of Quarter 3		
10	Chapter 8 & 11A	Quadrilaterals & Area



	(8.1-8.6) & (11.1-11.3, 11.6)	identify & classify polygons; find interior & exterior angles in polygons; parallelograms; rhombuses, rectangles, squares; trapezoids & kites area of triangles, parallelograms, trapezoids, rhombuses, kites; perimeter & area of similar figures
13	Chapter 12 & 11.7	Surface Area & Volume classify solids; surface area and volume of prisms, cylinders, pyramids, cones, spheres; similar solids (area and volume of similar figures, geometric probability)
15	Chapter 10 & 11.4, 11.5	Circles Tangents; arc measurements; chords; inscribed angles & polygons; angles in circles; segment lengths; graph circles, circumference & arc length; area of circles & sectors
		End of Semester 2