

# Geometry Lesson Correlation

Draft

CC std	Saxon	Geometry Topic	ON Core	McDougal	Pearson
G.CO.1,9	1	Points, Lines, and Planes	OnG 1-1	McG 1-2	PrsnG 1-2
G.CO.1, G.GPE.2	2	Segments	OnG 1-1	McG 1-3,5	PrsnG 1-3
G.CO.1,9	3	Angles	OnG 1-4	McG 1-4,5	PrsnG 1-4
G.CO.12	LAB1	Construction: Congruent Segments and Angles	OnG 1-1,4	McG 1-3	PrsnG 1-6
G.CO.1,9	4	Postulates& Theorems @Lines & Planes	OnG 1-6	McG 2-5	PrsnG 1-2
G.CO.9, G.MG.3	5	More Theorems about Lines and Planes	OnG 1-5	McG 2-6	PrsnG 3-4
G.CO.12	LAB2	Construction: Perpendicular Line Through a Point on a Line	OnG 1-5	McG 1-4	PrsnG 3-6
G.CO.1	6	Identifying Pairs of Angles	OnG 1-6	McG 1-6	PrsnG 1-5
G.CO.12	LAB3	Construction: Perpendicular Bisectors and Angle Bisectors	OnG 2-3,4	McG 1-4	PrsnG 1-6
G.CO.9-11	7	Using Inductive Reasoning		McG 1-1	PrsnG 2-1
N.Q.1,2,3, A .CED.4, GSRT8	8	Using Formulas in Geometry		McG 2-4	PrsnG1-8,11-2+
G.GPE4	9	Finding Length: Distance Formula	OnG 1-2	McA1 12-6	PrsnG 1-7
G.CO.9-11	10	Using Conditional Statements		McG 2-1	PrsnG 2-2
G.CO.9	INV1	INV Transversals & Angle Relationships		McG 3-3	PrsnG 3-1,2
G.GPE4	11	Finding Midpoints	OnG 1-3	McA1 12-6	PrsnG 1-7
GCO9	12	Proving Lines Parallel	OnG 1-7	McG 3-4	PrsnG 3-3
G.CO.12	LAB4	Construction: Parallel Line Through a Point			PrsnG 3-6
G.CO.10, G.MG.1	13	Introduction to Triangles		McG 4-1	PrsnG 3-5
G.CO.9-11	14	Disproving Conjectures with Counterexamples			PrsnG 2-1
GMG1	15	Introduction to Polygons		McG 6-1	PrsnG 1-8
A.REI.10, S.ID.7	16	Finding Slopes and Equations of Lines		McG 3-6	PrsnG 3-7
G.CO.9-11	17	More Conditional Statements		McG 2-2	PrsnG 2-2
G.CO.10	18	Triangle Theorems	OnG 3-5,3-6	McG 4-6	PrsnG 3-5
G.CO.11, G.MG.1	19	Introduction to Quadrilaterals		McG 6-1	PrsnG 6-4
G.CO.9-11	20	Interpreting Truth Tables			PrsnG 2-2+
G.SRT.4,8	INV2	Inv: Proving the Pythagorean Theorem			PrsnG 8-1+
G.CO.9-11	21	Laws of Detachment and Syllogism		McG 2-3	PrsnG 2-4
G.MG.1,3, G.GPE.7	22	Finding Areas of Quadrilaterals		McG 6-7	PrsnG 10-1,2
N.Q.1, G.CO.1, G.C.2, G.GMD.1	23	Introduction to Circles		McG 10-1	PrsnG 1-8
	24	Algebraic Proofs		McG 2-4	PrsnG
G.CO.8, G.SRT.5	25	Triangle Congruence: SSS	OnG 3-3	McG 4-3	PrsnG 4-2
G.C.1	26	Central Angles and Arc Measure	OnG 7-1	McG 10-2	PrsnG 10-6

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G.CO.9-11	27	Two-Column Proofs	OnG 1-6	McG 2-5	PrsnG 2-5
G.CO.8, G.SRT.5	28	Triangle Congruence: SAS	OnG 3-3	McG 4-3	PrsnG 4-2
G.CO.12	LAB5	Construction: Congruent Triangles			
GSRT8	29	Using the Pythagorean Theorem		McG 9-2	PrsnG 8-1
G.CO.8, G.SRT.5	30	Triangle Congruence: ASA and AAS		McG 4-4	PrsnG 4-3
G.SRT.5	INV30	Inv: Exploring Angles of Polygons		McG 11-1	PrsnG 6-1
G.CO.9-11, G.SRT.4	31	Flowchart and Paragraph Proofs		McG 3-2	PrsnG 3-3
G.CO.10	32	Altitudes and Medians of Triangles	OnG 3-9	McG 5-3	PrsnG 5-4
G.CO.11, G.SRT.4,8	33	Converse of the Pythagorean Theorem		McG 9-3	PrsnG 8-1
G.CO.11, G.MG.3	34	Properties of Parallelograms	OnG 4-2	McG 6-2	PrsnG 6-2
G.C.5	35	Finding Arc Lengths and Areas of Sectors	OnG 9-4,5	McG 0-2,11	PrsnG 10-6,7
G.SRT.4,5	36	Right Triangle Congruence Theorems		McG 4-6	PrsnG 4-6
A.REI.10, G.GPE.5	37	Writing Equations of Parallel and Perpendicular Lines	OnG 8-4,5	McG 3-5,6	PrsnG 3-8
G.CO.9,10	38	Perpendicular and Angle Bisectors of Triangles		McG 5-1,2	PrsnG 5-2
G.CO.12	LAB6	Construction: Circle Through Three Noncollinear Points			PrsnG
GCO10	39	Inequalities in a Triangle		McG 5-5	PrsnG 5-6
N.Q.1,2,3, G.MG.3	40	Finding Perimeters and Areas of Composite Figures			PrsnG 1-8
G.CO.10	INV4	Investigation: Inequalities in Two Triangles		McG 5-6	PrsnG 5-7
	41	Ratios, Proportions, and Similarity	OnG 5-4	McG 8-1	PrsnG 7-1
G.SRT.4,5	42	Finding Distance from a Point to a Line			
G.CO.12	LAB7	Construction: Perpendicular Through a Point Not on a Line			PrsnG 3-6
G.C.2	43	Chords, Secants, and Tangents	OnG 7-5	McG 10-5	PrsnG 12-1,2
G.SRT.2,5	44	Applying Similarity	OnG 4-1		PrsnG 7-2
G.GPE.4	45	Introduction to Coordinate Proofs	OnG 3-7	McG 4-7	PrsnG 6-9
G.SRT.2,3,4,5	46	Triangle Similarity: AA, SSS, SAS	OnG 5-4	McG 9-1	PrsnG 7-3
G.C.2,3, G.MG.1	47	Circles and Inscribed Angles	OnG 7-1	McG 10-3	PrsnG 12-3
G.CO.9-11	48	Indirect Proofs		McG 5-6	PrsnG 5-5
G.GMD.4	49	Introduction to Solids	OnG 10-1	McG 12-1	PrsnG 11-1
G.SRT.5	50	Geometric Mean		McG 8-1	PrsnG 7-4
	INV5	Investigation: Nets			PrsnG 1-1
G.CO.10, G.SRT.4,5, G.MG.1	51	Properties of Isosceles and Equilateral Triangles	OnG 3-6	McG 4-6	PrsnG 4-5
G.CO.11, G.MG.3	52	Properties of Rectangles, Rhombuses, and Squares	OnG 4-5	McG 6-4	PrsnG 6-4

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G.SRT.8, G.MG.3	53	45°-45°-90° Right Triangles	OnG 6-3	McG 9-4	PrsnG 8-2
G.GMD.1,4	54	Representing Solids	OnG 10-1	McG 12-1	PrsnG 11-1+
G.CO.10, G.SRT.4	55	Triangle Midsegment Theorem	OnG 3-8	McG 5-4	PrsnG 5-1
G.SRT.8	56	30°-60°-90° Right Triangles	OnG 6-3	McG 9-4	PrsnG 8-2
G.GPE.7	57	Finding Perimeter and Area with Coordinates	OnG 9-2	McG 6-7	PrsnG 6-7
G.C.2	58	Tangents and Circles, Part 1	OnG 7-5	McG 10-1	PrsnG 12-1
G.CO.12	LAB8	Construction: Tangent to a Circle			
G.MG.1,3	59	Finding Surface Areas and Volumes of Prisms	OnG 10-2	McG 12-2,4	PrsnG 11-2,4
G.SRT.4	60	Proportionality Theorems	OnG 5-6	McG 8-6	PrsnG 7-5
S.CP.1	INV6	Investigation: Geometric Probability		McG 11-6	PrsnG 10-8
G.CO.11, G.MG.3	61	Determining If a Quadrilateral is a Parallelogram 406	OnG 4-4	McG 6-3	PrsnG 6-3
G.GMD.1,3, G.MG.1,3	62	Finding Surface Areas and Volumes of Cylinders	OnG 10-2	McG 12-2,4	PrsnG 11-2,4
N.VM.1,3,4,5	63	Introduction to Vectors		McG 9-7	
G.C.2	64	Angles Interior to Circles		McG 10-4	PrsnG 12-4
G.CO.11, G.MG.1	65	Distinguishing Types of Parallelograms	OnG 4-5	McG 6-4	PrsnG 6-5
G.MG.1	66	Finding Perimeters and Areas of Regular Polygons		McG 11-2	PrsnG 10-3
G.CO.12,13	LAB9	Construction: Regular Polygons			
G.CO.2,3,4,5,7	67	Introduction to Transformations	OnG 2-1	McG 7-1	PrsnG 9-1
G.SRT.6,8	68	Introduction to Trigonometric Ratios	OnG 6-1,2	McG 9-5	PrsnG 8-3
G.SRT.5	69	Properties of Trapezoids and Kites		McG 6-5	PrsnG 6-6
G.GMD.1,3, G.MG.1,3	70	Finding Surface Areas and Volumes of Pyramids	OnG 10-3	McG 12-3,5	PrsnG 11-3,5
G.SRT.8	INV7	Investigation: Trigonometric Ratios			
G.CO.2,4,5	71	Translations	OnG 2-5	McG 7-4	PrsnG 9-1
G.C.2	72	Tangents and Circles, Part 2		McG 10-5	
G.SRT.8	73	Applying Trigonometry: Angles of Elevation and Depression		McG 9-6	PrsnG 8-4
G.CO.2,3,4,5	74	Reflections	OnG 2-2	McG 7-2	PrsnG 9-2
G.GPE.1,4	75	Writing the Equation of a Circle	OnG 8-1	McG 10-6	PrsnG 12-5
G.CO.2,3	76	Symmetry	OnG 4-1	McG 7-2	PrsnG 9-3+
G.GMD.1,3, G.MG.1	77	Finding Surface Areas and Volumes of Cones	OnG 10-4	McG 12-3,5	PrsnG 11-3,5
G.CO.2,3,4,5	78	Rotations	OnG 2-6	McG 7-3	PrsnG 9-3
	LAB10	Technology: Transformations Using Geometry Software			
	79	Angles Exterior to Circles		McG 10-4	PrsnG 12-4
G.GMD.2,3, G.MG.1	80	Finding Surface Areas and Volumes of Spheres	OnG 10-5	McG 12-6	PrsnG 11-6

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	INV8	INV 8 Investigation: Patterns		McG 7-6	
A.CED.3	81	Graphing and Solving Linear Systems	OnG 8-7	McA1 7-1	
G.SRT.8	82	More Applications of Trigonometry		McG 9-6	PrsnG 8-3
N.VM.1,3,4	83	Vector Addition		McG 9-7	
G.CO.2, G.SRT.1	84	Dilations	OnG 5-1	McG 8-7	PrsnG 9-6
G.GMD.1,2,4	85	Cross Sections of Solids	OnG 10-1		PrsnG 11-1
G.C.2	86	Determining Chord Length		McG 10-5	PrsnG 12-4
	LAB11	Technology: Intersecting Chords Using Geometry Software			
G.SRT.5	87	Area Ratios of Similar Figures		McG 11-3	PrsnG 7-2
A.CED.3, A.REI.1	88	Graphing and Solving Linear Inequalities		McA1 7-6	
N.VM.1,3	89	Vector Decomposition		McG 9-7	
G.CO.5,6	90	Composite Transformations		McG 7-5	PrsnG 9-4
	INV9	Investigation: Tessellations			
F.TF.8,9, G.SRT.6,8	91	Introduction to Trigonometric Identities			
G.GPE.4,7	92	Quadrilaterals on the Coordinate Plane	OnG 9-2		PrsnG 6-7
	LAB12	Technology: Distinguishing Types of Quadrilaterals Using Geometry Soft		McG 6-6	
	93	Representing Solids: Orthographic Views			PrsnG 1-1
G.SRT.10,11	94	Law of Sines	OnG 6-6	McA2 13-5	PrsnG 8-5
G.CO.2, G.GPE.1	95	Equations of Circles: Translating and Dilating	OnG 8-1	McG 10-6	PrsnG 12-5
	96	Effects of Changing Dimensions on Perimeter and Area	OnG 9-2	McG 6-7	
G.CO.1	97	Concentric Circles			PrsnG 10-6
G.SRT.10,11	98	Law of Cosines	OnG 6-7	McA2 13-6	PrsnG 8-6
G.GMD.3, G.M.G.1,2	99	Volume Ratios of Similar Solids	OnG 10-6	McG 12-7	PrsnG 11-7
N.VM.8,12, G.CO.2,4	100	Transformation Matrices			
	INV10	Investigation: Fractals			PrsnG 7-2+