



PATHWAY **2** CAREERS

P2C Math: Geometry

Table of Contents & Pacing
Massachusetts



Total # of Days **126-190**

	Title	Type	Standard(s)	Mathematical Practices	Career(s)	Number of Days
1. GEOMETRY FUNDAMENTALS						10-15
G-1.1	Points, Lines, and Planes	Exploration	GEO.G-CO.A.1, GEO.G-MG.A.1	3, 4, 5	Multiple	1
G-1.2	Measure and Construct Segments	Exploration	GEO.G-CO.A.1, GEO.G-CO.D.12, GEO.G-GPE.B.6, GEO.G-GPE.B.7	2, 5, 6	Multiple	1
G-1.3	Measure and Construct Angles	Exploration	GEO.G-CO.A.1, GEO.G-CO.D.12	1, 5, 6	Multiple	1
G-1.4	Describe Pairs of Angles	Exploration	GEO.G-CO.A.1, GEO.G-CO.C.9	1, 5, 7	Multiple	1
G-1.5	Solve Problems Using Pairs of Angles	Application	GEO.G-CO.A.1, GEO.G-CO.C.9, GEO.G-CO.D.12	1, 2, 4	Occupational Therapists	1-2
G-1.6	Classify Polygons	Exploration	GEO.G-CO.A.1, GEO.G-MG.A.1	2, 4, 8	Multiple	1
G-1.7	Solve Design Problems Using Areas of Figures	Application	GEO.G-MG.A.2, GEO.G-MG.A.3	1, 2, 4	Meeting, Convention, and Event Planners	1-2
G-1.8	Midpoint and Distance in the Coordinate Plane	Application	GEO.G-CO.A.1	1, 2, 4	Emergency Medical Technicians & Paramedics	1-2
G-1.9	Perimeter in the Coordinate Plane	Application	GEO.G-SRT.C.8	1, 2, 4	Fence Erectors	1-2
G-1.10	Area in the Coordinate Plane	Application	GEO.G-SRT.C.8	1, 4, 6	Computer Specialists	1-2

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	Title	Type	Standard(s)	Mathematical Practices	Career(s)	Number of Days
2. GEOMETRIC REASONING						9-12
G-2.1	Use Inductive Reasoning	Exploration	GEO.G-CO.C.9, GEO.G-CO.C.10	1, 3, 8	Multiple	1
G-2.2	Write Conditional Statements	Exploration	GEO.G-CO.C.9, GEO.G-CO.C.10	1, 3	Multiple	1
G-2.3	Use Deductive Reasoning	Exploration	GEO.G-CO.C.9, GEO.G-CO.C.10	1, 3	Multiple	1
G-2.4	Apply Deductive Reasoning	Application	GEO.G-CO.C.9, GEO.G-CO.C.10	1, 3	Child, Family, and School Social Workers	1-2
G-2.5	Biconditional Statements and Definitions	Exploration	GEO.G-CO.C.9, GEO.G-CO.C.10	1, 3	Multiple	1-2
G-2.6	Write Algebraic Proofs	Exploration	GEO.G-CO.C.9, GEO.G-CO.C.10	1, 2, 3	Multiple	1
G-2.7	Write Proofs about Segments	Exploration	GEO.G-CO.C.9	1, 2, 3	Multiple	1
G-2.8	Write Proofs about Angles	Exploration	GEO.G-CO.C.9	1, 2, 3	Multiple	1
G-2.9	Use Theorems about Angles	Application	GEO.G-CO.C.9, GEO.G-CO.C.11.a	1, 2, 4	Carpenters	1-2
3. PARALLEL AND PERPENDICULAR LINES						10-15
G-3.1	Pairs of Lines and Angles	Exploration	GEO.G-CO.A.1, GEO.G-CO.C.9, GEO.G-GPE.B.5	2, 6, 7	Multiple	1
G-3.2	Parallel Lines and Transversals	Exploration	GEO.G-CO.C.9	1, 3, 7	Multiple	1

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	Title	Type	Standard(s)	Mathematical Practices	Career(s)	Number of Days	
	G-3.3	Use Properties of Parallel Lines	Application	GEO.G-CO.C.9	1, 2, 4	Tree Trimmers and Pruners	1-2
	G-3.4	Prove Lines are Parallel	Exploration	GEO.G-CO.C.9, GEO.G-CO.D.12	3, 5, 8	Multiple	1
	G-3.5	Show Lines are Parallel	Application	GEO.G-CO.C.9	1, 2, 4	Rail-Track Equipment Operators	1-2
	G-3.6	Prove Theorems about Perpendicular Lines	Exploration	GEO.G-CO.C.9, GEO.G-CO.D.12	2, 3, 5	Multiple	1
	G-3.7	Use Properties of Perpendicular Lines	Application	GEO.G-CO.C.9	1, 2, 4	Brickmasons and Blockmasons	1-2
	G-3.8	Find and Use Slopes of Lines	Exploration	GEO.G-GPE.B.5, GEO.G-GPE.B.6, GEO.G-GPE.B.7	1, 2, 7	Multiple	1
	G-3.9	Use the Slope Criteria for Parallel and Perpendicular Lines	Application	GEO.G-GPE.B.5	1, 2, 4	Civil Engineers	1-2
	G-3.10	Lines in the Coordinate Plane	Exploration	GEO.G-GPE.B.5	1, 6, 8	Multiple	1-2
P	G-3-P	Expressing Geometric Properties with Equations	Project (Information Technology)	GEO.G-CO.A.1, GEO.G-GPE.B.4, GEO.G-GPE.B.5	1, 2, 4, 6	Health Informatics Specialists	3-6

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	Title	Type	Standard(s)	Mathematical Practices	Career(s)	Number of Days
4. TRANSFORMATIONS						12-20
G-4.1	Translations	Exploration	GEO.G-CO.A.2, GEO.G-CO.A.4, GEO.G-CO.A.5, GEO.G-CO.B.6, GEO.G-CO.B.7, GEO.G-CO.B.8	1, 2, 6, 7	Multiple	1-2
G-4.2	Apply Translations	Application	GEO.G-CO.A.2, GEO.G-CO.A.4, GEO.G-CO.A.5, GEO.G-CO.B.6, GEO.G-CO.B.7, GEO.G-CO.B.8	1, 2, 4	Biological Technicians	1-2
G-4.3	Reflections	Exploration	GEO.G-CO.A.2, GEO.G-CO.A.4, GEO.G-CO.A.5, GEO.G-CO.B.6, GEO.G-CO.B.7, GEO.G-CO.B.8	1, 2, 6, 7	Multiple	1
G-4.4	Apply Reflections	Application	GEO.G-CO.A.2, GEO.G-CO.A.4, GEO.G-CO.A.5, GEO.G-CO.B.6, GEO.G-CO.B.7, GEO.G-CO.B.8	1, 2, 4	Marine Engineers and Naval Architects	1-2
G-4.5	Rotations	Exploration	GEO.G-CO.A.2, GEO.G-CO.A.4, GEO.G-CO.A.5, GEO.G-CO.B.6, GEO.G-CO.B.7, GEO.G-CO.B.8	1, 2, 6, 7	Multiple	1
G-4.6	Apply Rotations	Application	GEO.G-CO.A.2, GEO.G-CO.A.4, GEO.G-CO.A.5, GEO.G-CO.B.6, GEO.G-CO.B.7, GEO.G-CO.B.8	1, 2, 4	Air Traffic Controllers	1-2
G-4.7	Investigate Symmetry	Application	GEO.G-CO.A.2, GEO.G-CO.A.3	1, 2, 4	Architecture Professors	1-2
G-4.8	Compositions of Transformations	Application	GEO.G-CO.A.2, GEO.G-CO.A.4, GEO.G-CO.A.5, GEO.G-CO.B.6, GEO.G-CO.B.7, GEO.G-CO.B.8	1, 2, 4	Computer Numerically Controlled Machine Tool Programmers	1-2
G-4.9	Transformations and Congruence	Exploration	GEO.G-CO.A.2, GEO.G-CO.A.4, GEO.G-CO.A.5, GEO.G-CO.B.6, GEO.G-CO.B.7, GEO.G-CO.B.8	1, 2, 7	Multiple	1
G-4.10	Dilations	Exploration	GEO.G-CO.A.2, GEO.G-SRT.A.1.a, GEO.G-SRT.A.1.b	1, 2, 6	Multiple	1

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G-4.11	Apply Dilations	Application	GEO.G-CO.A.2, GEO.G-MG.A.3, GEO.G-SRT.A.1.a, GEO.G-SRT.A.1.b	1, 2, 4	Advertising and Promotions Managers	1-2
G-4.12	Transformations and Similarity	Exploration	GEO.G-SRT.A.2	1, 2, 7	Multiple	1-2
5. CONGRUENT TRIANGLES						11-16
G-5.1	Classifying Triangles	Exploration	GEO.G-GPE.B.5	2, 6, 7	Multiple	1
G-5.2	Angles in Triangles	Exploration	GEO.G-CO.C.10, GEO.G-CO.C.11.a	1, 3, 8	Multiple	1
G-5.3	Apply Angle Relationships in Triangles	Application	GEO.G-CO.C.10	1, 2, 3	Physical Therapists	1-2
G-5.4	Triangle Congruence	Application	GEO.G-CO.A.2, GEO.G-CO.B.6, GEO.G-CO.B.7, GEO.G-CO.B.8	1, 2, 4	Graphic Designers	1-2
G-5.5	Prove Triangle Congruence by SAS and SSS	Exploration	GEO.G-CO.A.2, GEO.G-CO.B.6, GEO.G-CO.B.7, GEO.G-CO.B.8, GEO.G-SRT.A.2, GEO.G-SRT.A.3, GEO.G-SRT.B.4, GEO.G-SRT.B.5	2, 3, 6	Multiple	1
G-5.6	Apply SSS and SAS Triangle Congruence	Application	GEO.G-SRT.B.5	1, 2, 4	Glaziers	1-2
G-5.7	Prove Triangle Congruence by ASA and AAS	Exploration	GEO.G-CO.A.2, GEO.G-CO.B.6, GEO.G-CO.B.7, GEO.G-CO.B.8, GEO.G-SRT.A.2, GEO.G-SRT.B.5	1, 3, 5	Multiple	1
G-5.8	Prove Triangle Congruence by HL	Exploration	GEO.G-CO.B.8, GEO.G-SRT.B.5	3, 4, 7	Multiple	1

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G-5.9	Apply ASA and AAS Triangle Congruence	Application	GEO.G-SRT.B.5	1, 2, 4	Millwrights	1-2
G-5.10	Use Congruent Triangles	Application	GEO.G-SRT.B.5	1, 2, 4	Photogrammetrists	1-2
G-5.11	Equilateral and Isosceles Triangles	Exploration	GEO.G-CO.C.10, GEO.G-SRT.A.2, GEO.G-SRT.B.5	2, 3, 8	Multiple	1
6. RELATIONSHIPS WITHIN TRIANGLES						8-12
G-6.1	Perpendicular and Angle Bisectors	Exploration	GEO.G-CO.C.9, GEO.G-SRT.B.5	1, 2, 3, 7	Multiple	1-2
G-6.2	Bisectors of Triangles	Exploration	GEO.G-C.A.3, GEO.G-CO.C.10	1, 2, 5	Multiple	1
G-6.3	Medians and Altitudes of Triangles	Exploration	GEO.G-CO.C.10	1, 2, 6	Multiple	1
G-6.4	Apply Special Segments in Triangles	Application	GEO.G-CO.C.10	1, 2, 4	Postsecondary Art, Drama, and Music Teachers	1-2
G-6.5	The Triangle Midsegment Theorem	Exploration	GEO.G-CO.C.10, GEO.G-SRT.B.4	1, 2, 6	Multiple	1
G-6.6	Inequalities in One Triangle	Exploration	GEO.G-CO.C.10	1, 2, 7	Multiple	1
G-6.7	Inequalities in Two Triangles	Exploration	GEO.G-CO.C.10	1, 2, 7	Multiple	1-2
G-6.8	Apply Inequalities in One Triangle and Two Triangles	Application	GEO.G-CO.C.10	1, 2, 4	Commercial Pilots	1-2

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7. POLYGONS AND OTHER QUADRILATERALS						8-11
G-7.1	Angles of Polygons	Exploration	GEO.G-CO.C.11.a, GEO.G-CO.D.13	1, 2, 7	Multiple	1
G-7.2	Properties of Parallelograms	Exploration	GEO.G-CO.C.11.a	1, 2, 7	Multiple	1
G-7.3	Conditions for Parallelograms	Exploration	GEO.G-CO.C.11.a	1, 2, 7	Multiple	1
G-7.4	Apply Properties of and Conditions for Parallelograms	Application	GEO.G-CO.C.11.a	1, 2, 4	Mechanical Drafters	1-2
G-7.5	Properties of Special Parallelograms	Exploration	GEO.G-CO.C.11.a	1, 2, 7	Multiple	1
G-7.6	Properties of Trapezoids and Kites	Exploration	GEO.G-CO.C.9, GEO.G-CO.C.11.a	1, 2, 7	Multiple	1
G-7.7	Identify Special Quadrilaterals	Application	GEO.G-CO.C.11.a	3, 4, 7	Motorcycle Mechanics	1-2
G-7.8	Identify Special Quadrilaterals in the Coordinate Plane	Application	GEO.G-GPE.B.4	1, 2, 4	Fashion Designers	1-2
P	G-7-P	Congruence	Project (Information Technology) GEO.G-CO.A.2, GEO.G-CO.A.4, GEO.G-CO.A.5, GEO.G-CO.B.6, GEO.G-CO.B.7, GEO.G-CO.B.8, GEO.G-CO.C.9, GEO.G-CO.C.10, GEO.G-MG.A.3, GEO.G-SRT.B.5	1, 6, 7	Computer Network Architects	3-6

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8. SIMILARITY						6-9
G-8.1	Similar Polygons	Application	GEO.G-SRT.A.2, GEO.G-SRT.B.5	1, 2, 4	Set and Exhibit Designers	1-2
G-8.2	Prove Triangles Similar by AA	Exploration	GEO.G-CO.C.9, GEO.G-CO.C.10, GEO.G-CO.C.11.a, GEO.G-SRT.A.2, GEO.G-SRT.A.3, GEO.G-SRT.B.4, GEO.G-SRT.B.5	1, 2, 7	Multiple	1
G-8.3	Prove Triangles Similar by SSS and SAS	Exploration	GEO.G-CO.B.8, GEO.G-CO.C.9, GEO.G-CO.C.10, GEO.G-GPE.B.5, GEO.G-SRT.A.2, GEO.G-SRT.A.3, GEO.G-SRT.B.4, GEO.G-SRT.B.5	1, 2, 7	Multiple	1
G-8.4	Use Similar Triangles	Application	GEO.G-CO.B.8, GEO.G-CO.C.9, GEO.G-CO.C.10, GEO.G-CO.C.11.a, GEO.G-SRT.A.2, GEO.G-SRT.A.3, GEO.G-SRT.B.4, GEO.G-SRT.B.5	1, 2, 4	Foresters	1-2
G-8.5	Use Proportionality Theorems	Exploration	GEO.G-CO.C.9, GEO.G-CO.C.10, GEO.G-CO.C.11.a, GEO.G-SRT.A.2, GEO.G-SRT.A.3, GEO.G-SRT.B.4, GEO.G-SRT.B.5	1, 4, 5	Multiple	1
G-8.6	Apply Proportionality Theorems	Application	GEO.G-MG.A.3, GEO.G-SRT.A.3, GEO.G-SRT.B.4, GEO.G-SRT.B.5	1, 2, 4	Urban and Regional Planners	1-2
9. RIGHT TRIANGLES AND TRIGONOMETRY						10-17
G-9.1	The Pythagorean Theorem	Exploration	GEO.G-CO.C.10, GEO.G-SRT.C.6, GEO.G-SRT.C.8	2, 6, 8	Multiple	1
G-9.2	Apply the Pythagorean Theorem	Application	GEO.G-CO.C.10, GEO.G-SRT.C.8	1, 2, 4	Construction and Building Inspectors	1-2
G-9.3	Special Right Triangles	Exploration	GEO.G-SRT.C.6, GEO.G-SRT.C.8	1, 6, 7	Multiple	1-2
G-9.4	Similar Right Triangles	Exploration	GEO.G-SRT.A.2, GEO.G-SRT.A.3, GEO.G-SRT.B.4, GEO.G-SRT.B.5	2, 3, 7	Multiple	1

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G-9.5	Use Similar Right Triangles	Application	GEO.G-SRT.A.2, GEO.G-SRT.A.3, GEO.G-SRT.B.4, GEO.G-SRT.B.5	1, 2, 4	Photographers	1-2
G-9.6	The Tangent Ratio	Exploration	GEO.G-SRT.C.6, GEO.G-SRT.C.8	1, 5, 8	Multiple	1
G-9.7	The Sine and Cosine Ratios	Exploration	GEO.G-SRT.C.6, GEO.G-SRT.C.7, GEO.G-SRT.C.8	2, 4, 7	Multiple	1-2
G-9.8	Apply Trigonometric Ratios in Right Triangles	Application	GEO.G-SRT.C.6, GEO.G-SRT.C.8	1, 2, 4	Solar Photovoltaic Installers	1-2
G-9.9	Law of Sines and Law of Cosines	Exploration	GEO.G-SRT.D.9, GEO.G-SRT.D.10, GEO.G-SRT.D.11	1, 5, 7	Multiple	1-2
G-9.10	Apply the Law of Sines and the Law of Cosines	Application	GEO.G-MG.A.3, GEO.G-SRT.C.6, GEO.G-SRT.C.8, GEO.G-SRT.D.10, GEO.G-SRT.D.11	1, 2, 4	Sound Engineering Technicians	1-2
10. CIRCLES						12-16
G-10.1	Lines and Segments that Intersect Circles	Exploration	GEO.G-C.A.2, GEO.G-C.A.4, GEO.G-CO.A.1, GEO.G-GPE.B.7	1, 5, 6	Multiple	1
G-10.2	Finding Arc Measures	Exploration	GEO.G-C.A.1, GEO.G-C.A.2	1, 6, 7	Multiple	1
G-10.3	Using Chords	Exploration	GEO.G-C.A.2	1, 6, 7	Multiple	1
G-10.4	Inscribed Angles	Exploration	GEO.G-C.A.2, GEO.G-GPE.B.7	1, 6, 7	Multiple	1
G-10.5	Inscribed Polygons	Exploration	GEO.G-C.A.2, GEO.G-C.A.3, GEO.G-CO.C.10, GEO.G-CO.C.11.a, GEO.G-GPE.B.4, GEO.G-GPE.B.7	1, 6, 7	Multiple	1
G-10.6	Apply Central Angles and Inscribed Angles	Application	GEO.G-C.A.2, GEO.G-MG.A.3	1, 2, 4	Security and Fire Alarm Systems Installers	1-2

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	Title	Type	Standard(s)	Mathematical Practices	Career(s)	Number of Days
	G-10.7 Angle Relationships in Circles	Exploration	GEO.G-C.A.2, GEO.G-GPE.B.7	1, 2, 7	Multiple	1
	G-10.8 Segment Relationships in Circles	Exploration	GEO.G-C.A.2, GEO.G-GPE.B.7	1, 2, 7	Multiple	1
	G-10.9 Apply Segment Relationships in Circles	Application	GEO.G-C.A.2	1, 2, 4	Life, Physical and Social Science Technicians	1-2
	G-10.10 Circles in the Coordinate Plane	Exploration	GEO.G-GPE.A.1, GEO.G-GPE.B.4	1, 2, 7	Multiple	1
	G-10.11 Apply Circles in the Coordinate Plane	Application	GEO.G-C.B.5, GEO.G-GPE.A.1, GEO.G-GPE.B.4	4, 6, 7	Geoscientists	1-2
	G-10.12 Equation of a Parabola	Exploration	GEO.G-GPE.A.2	1, 2, 7	Multiple	1-2
P	G-10-P Circles	Project (Information Technology)	GEO.G-C.A.2, GEO.G-C.A.3, GEO.G-C.B.5, GEO.G-GPE.A.1, GEO.G-MG.A.3	2, 5, 6, 7, 8	Telecommunications Engineering Specialists	3-6
11. CIRCUMFERENCE AND AREA						7-12
	G-11.1 Find Areas of Triangles using Trigonometry	Application	GEO.G-MG.A.2, GEO.N-Q.A.3.a	1, 2, 4	Surveyors	1-2
	G-11.2 Areas of Parallelograms, Trapezoids, and Regular Polygons	Application	GEO.G-MG.A.2, GEO.N-Q.A.3.a	1, 4, 6	Fish and Game Wardens	1-2
	G-11.3 Areas of Composite Figures	Application	GEO.G-MG.A.2, GEO.N-Q.A.3.a	1, 2, 4	Appraisers and Assessors of Real Estate	1-2

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	Title	Type	Standard(s)	Mathematical Practices	Career(s)	Number of Days
G-11.4	Circumference and Arc Length	Exploration	GEO.G-C.A.2, GEO.G-C.B.5, GEO.G-GMD.A.1, GEO.N-Q.A.3.a	1, 2, 7	Multiple	1
G-11.5	Apply Circumference and Arc Length	Application	GEO.G-MG.A.1, GEO.N-Q.A.3.a	2, 4, 7	Mechanical Engineering Technicians	1-2
G-11.6	Areas of Circles and Sectors	Exploration	GEO.G-C.A.2, GEO.G-C.B.5, GEO.G-GMD.A.1, GEO.N-Q.A.3.a	1, 2, 7	Multiple	1
G-11.7	Apply Areas of Circles and Sectors	Application	GEO.G-C.B.5, GEO.G-MG.A.1, GEO.N-Q.A.3.a	1, 2, 4	Cardiovascular Technologists and Technicians	1-2
12. SURFACE AREA AND VOLUME						13-20
G-12.1	Cross Sections of Solids	Exploration	GEO.G-GMD.B.4	4, 5, 8	Multiple	1
G-12.2	Visualizing Solids	Application	GEO.G-GMD.B.4	1, 2, 4	Architectural and Civil Drafters	1-2
G-12.3	Surface Areas of Prisms and Pyramids	Exploration	GEO.G-MG.A.1, GEO.N-Q.A.3.a	2, 4, 7	Multiple	1
G-12.4	Apply Surface Areas of Prisms and Pyramids	Application	GEO.G-MG.A.1, GEO.N-Q.A.3.a	1, 2, 4	Anthropologists and Archeologists	1-2
G-12.5	Surface Areas of Cylinders and Cones	Exploration	GEO.G-MG.A.1, GEO.N-Q.A.3.a	1, 2, 4	Multiple	1-2
G-12.6	Surface Areas of Spheres	Exploration	GEO.G-MG.A.1, GEO.N-Q.A.3.a	3, 4, 7	Multiple	1
G-12.7	Apply Surface Areas of Cylinders, Cones, and Spheres	Application	GEO.G-MG.A.1, GEO.G-MG.A.3, GEO.N-Q.A.3.a	1, 2, 4	Industrial Production Managers	1-2

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	Title	Type	Standard(s)	Mathematical Practices	Career(s)	Number of Days
G-12.8	Volumes of Prisms and Pyramids	Exploration	GEO.G-GMD.A.1, GEO.N-Q.A.3.a	2, 6, 8	Multiple	1
G-12.9	Apply Volumes of Prisms and Pyramids	Application	GEO.G-GMD.A.3, GEO.G-MG.A.1, GEO.G-MG.A.2, GEO.G-MG.A.3, GEO.N-Q.A.3.a	1, 2, 4	Heating, Air Conditioning, and Refrigeration Mechanics and Installers	1-2
G-12.10	Volumes of Cylinders and Cones	Exploration	GEO.G-GMD.A.1, GEO.G-GMD.A.2, GEO.G-GMD.A.3, GEO.N-Q.A.3.a	1, 4, 7	Multiple	1
G-12.11	Volumes of Spheres	Exploration	GEO.G-GMD.A.1, GEO.G-GMD.A.2, GEO.N-Q.A.3.a	3, 6, 8	Multiple	1
G-12.12	Apply Volumes of Cylinders, Cones, and Spheres	Application	GEO.G-GMD.A.3, GEO.G-MG.A.1, GEO.G-MG.A.2, GEO.G-MG.A.3, GEO.N-Q.A.3.a	1, 2, 4	Architectural Engineers	1-2
G-12.13	Solids of Revolution	Exploration	GEO.G-GMD.B.4	2, 7, 8	Multiple	1-2
13. PROBABILITY AND DECISION MAKING						10-15
G-13.1	Probability and Set Theory	Exploration	GEO.S-CP.A.1	2, 5, 7	Multiple	1-2
G-13.2	Find Probabilities Using Permutations and Combinations	Exploration	GEO.S-CP.B.8, GEO.S-CP.B.9	1, 4, 8	Multiple	1
G-13.3	Disjoint and Overlapping Events	Exploration	GEO.S-CP.B.7, GEO.S-CP.B.8, GEO.S-CP.B.9	3, 5, 7	Multiple	1

"P" denotes that the lesson is a Project and may be omitted or abbreviated at the discretion of the teacher/district. Pacing for these lessons is not included in the chapter or course totals.



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	Title	Type	Standard(s)	Mathematical Practices	Career(s)	Number of Days	
	G-13.4	Apply Probabilities of Disjoint and Overlapping Events	Application	GEO.S-CP.A.4, GEO.S-CP.B.8, GEO.S-CP.B.9	1, 2, 4	Health Educators	1-2
	G-13.5	Conditional Probability	Exploration	GEO.S-CP.A.1, GEO.S-CP.A.3, GEO.S-CP.A.4, GEO.S-CP.A.5, GEO.S-CP.B.6	1, 2, 7	Multiple	1
	G-13.6	Apply Conditional Probabilities	Application	GEO.S-CP.A.1, GEO.S-CP.A.3, GEO.S-CP.A.4, GEO.S-CP.A.5, GEO.S-CP.B.6	1, 2, 5	Personal Financial Advisors	1-2
	G-13.7	Independent Events	Exploration	GEO.S-CP.A.2, GEO.S-CP.A.4	2, 4, 8	Multiple	1
	G-13.8	Apply Probabilities of Independent Events	Application	GEO.S-CP.A.1, GEO.S-CP.A.2, GEO.S-CP.A.3, GEO.S-CP.A.4, GEO.S-CP.A.5, GEO.S-CP.B.6	1, 2, 6	Information Security Analysts	1-2
	G-13.9	Dependent Events	Exploration	GEO.S-CP.A.1, GEO.S-CP.A.3, GEO.S-CP.A.4, GEO.S-CP.A.5, GEO.S-CP.B.6, GEO.S-CP.B.8, GEO.S-CP.B.9	1, 4, 7	Multiple	1
	G-13.10	Apply Probabilities of Dependent Events	Application	GEO.S-CP.A.1, GEO.S-CP.A.3, GEO.S-CP.A.4, GEO.S-CP.A.5, GEO.S-CP.B.6, GEO.S-CP.B.8, GEO.S-CP.B.9	1, 2, 4	Gaming Managers	1-2
P	G-13-P	Using Probability to Make Decisions	Project (Information Technology)	GEO.S-CP.A.1, GEO.S-CP.A.2, GEO.S-CP.A.3, GEO.S-CP.A.4, GEO.S-CP.A.5, GEO.S-CP.B.6, GEO.S-CP.B.7, GEO.S-CP.B.8, GEO.S-CP.B.9	2, 3, 4	Computer Programmers	3-6

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