Geometry Curriculum Mapping

Grade: 10/11 Content: Geometry Regents Teacher(s): Yonta

	Time period	Focus Standard	Assessment	Essential Question	Resources	Differentiation
Review	12 days	• Factoring, CTS, Simplifying Square Roots, Area & Perimeter, Pythagorean Theorem, Solving Equations...	Quiz, Test	What skills are needed to be successful in this course?	• Alg I Regents • Math 8-Alg I standards	• Extra example, practice • On a daily basis • IEP
Chapter 1: Geometry Fundamentals	26 days	• GEO-G.CO.1 • GEO-G.CO.2 • GEO-G.CO.3 • GEO-G.CO.4 • GEO-G.CO.5 • GEO-G.CO.6 • GEO-G.CO.12	Quiz #1-4, Test 1 (lines, angles, etc. & measuring distances), Quiz Test 2 (rigid motion transformations)	How do we communicate in geometry (angles, lines, congruent, equal)? What are the different types of transformations ?	• Textbook • Emathinstruction	• Extra example, practice • On a daily basis • IEP
Chapter 2: Similar FIgures and Dilations	11 days	• GEO-G.SRT.1 • GEO-G.SRT.1a • GEO-G.SRT.1b • GEO-G.SRT.2 • GEO-G.SRT.4	Quiz #5, Test	What makes figures similar? Is a dilation a rigid motion transformation?	• Textbook • Desmos • Emathinstruction	• Extra example, practice • On a daily basis • IEP

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Chapter 3: Reasoning	6 days	• GEO-G.CO.9	Quiz #6 (take home)	What syntax, semantics used when communicating? What do we know about angles when we have parallel lines cut by a transversal?	• Textbook • Emathin struction	• Extra example s - used in proofs • On a daily basis • IEP
Chapter 4: Parallel and Perpendicular Lines	9 days	• GEO-G.CO.1 • GEO-G.CO.9 • GEO-G.CO.10 • GEO-G.CO.12 • GEO-G.GPE.5	Quiz #7, Test	How do you know if lines are parallel or perpendicular?	• Textbook • Emathin struction	• Flashcar ds - statemen ts, reasons • Extra example, practice • On a daily basis • IEP
Chapter 5: Congruent Triangles	15 days	• GEO-G.CO.7 • GEO-G.CO.8 • GEO-G.CO.10 • GEO-G.CO.12 • GEO-G.SRT.5	Quiz #8-10, Test, Quiz #11	What do we know about congruent figures? How can we prove triangles congruent?	• Textbook • Emathin struction • Proof practice activity	• Extra example, practice • On a daily basis • IEP • Add new

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						info on whiteboard, reference when doing proofs
Chapter 6: Relationships Within Triangles	13 days	• GEO-G.CO.9 • GEO-G.CO.10 • GEO-G.CO.12 • GEO-G.GPE.4 • GEO-G.GPE.6	Quiz #12, Test	What is special about points of concurrency in a triangle? What is a centroid?	• Textbook • Graphic Organizer • Emathinstruction	• Extra example, practice • On a daily basis • IEP • Constructions along with notes
Chapter 7: Similarity and Trigonometry	17 days	• GEO-G.SRT.3 • GEO-G.SRT.4 • GEO-G.SRT.5 • GEO-G.SRT.6 • GEO-G.SRT.7 • GEO-G.SRT.8 • GEO-G.SRT.9	Quiz #13, #14, Test	Why are triangles similar? What do we know about right triangles? What are trigonometric ratios and where do they come	• Textbook • Regents Part III questions • Emathinstruction	• Extra example, practice • On a daily basis • IEP • Add new info on whiteboard, referenc

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Chapter 8: Circles	~16 days	• GEO-G.CO.1 • GEO-G.CO.4 • GEO-G.CO.13 • GEO-G.C.1 • GEO-G.C.2 • GEO-G.C.5 • GEO-G.GMD.1 • GEO-G.GMD.4 • GEO-G.GPE.1	Quiz #15, #16, Test	What do you know about all points on a circle? How can we construct special lines in circles?	• Textbook • Emathin struction	• CTS review • Extra example, practice • On a daily basis • IEP
Chapter 9: Polygons	~15 days	• GEO-G.CO.11 • GEO-G.CO.12 • GEO-G.SRT.8 • GEO-G.MG.1 • GEO-G.MG.2 • GEO-G.MG.3 • GEO-G.GPE.5 • GEO-G.GPE.4 • GEO-G.GPE.7	Quiz #17-19, Test	In the coordinate plane, how can you prove a certain polygon?	• Textbook • Graphic Organize r • Emathin struction	• Extra example, practice • On a daily basis • IEP
Chapter 10: Solids	~15 days	• GEO-G.MG.1 • GEO-G.MG.2 • GEO-G.MG.3 • GEO-G.GMD.1 • GEO-G.GMD.3 • GEO-G.GMD.4	Quiz #20, #21, Test	In what ways can we use geometry to solve modeling problems?	• Textbook • Regents Part III question s • Emathin struction	• Construc t nets for surface area • On a daily basis • IEP