

Geometry Pacing Guide

Course: Traditional Geometry

Grade: 10-11

<u>Months/Days</u>	<u>UNITS</u>	<u>STANDARDS</u>	<u>CONTENT</u> Topics being covered? What do students need to know? (<i>nouns</i>)	<u>ACTIVITIES</u> w/Integration of Technology & Career Ready Practices	<u>ASSESSMENTS</u> What evidence (formative/summative) is utilized to establish that the content, standards, & skills have been mastered?
September	Reasoning & Proof	MA.G-CO.C	Inductive Reasoning Conditional Statement Hypothesis Conclusion Converse Biconditional Statement Deductive Reasoning Proof	desmos card sort logic puzzles Group work IXL Peardeck	Summative: Deductive Reasoning Unit Assessment Formative: Whiteboarding, Check for Understanding, Group Work, Class Discussion, Classwork, Exit Tickets, See “activities”
September/ October	Introduction to Geometry	MA.G-CO.A1	Undefined Terms Angle Parallel Perpendicular Segment Congruence Midpoint Bisector distance along a line segment addition postulate	Jigsaw group work Kahoot Desmos Edpuzzle Maya Angelou Desmos Activity Deltamath.com IXL Peardeck	Summative Vocab Quiz Introduction to Geometry Unit Assessment Formative: Whiteboarding, Check for Understanding, Group Work, Class Discussion, Classwork, Exit Tickets, See “activities”

October	Lines & Angles	MA.G-CO.B MA.G-CO.C MA.G-CO.C.9	Supplementary angles, Complementary Angles, Linear Pairs of Angles, Vertical Angles, Adjacent Angles, Transversal, Corresponding, Alternate Interior Alternate Exterior, Consecutive Interior Angles	Severo Ochoa Desmos Activity Parallel Lines and Angles investigation Kalpana Chawla Desmos Activity Kahoot Deltamath.com IXL Peardeck	Summative: Vocab Quiz Unit Assessment Formative: Whiteboarding, Check for Understanding, Group Work, Class Discussion, Classwork, Exit Tickets, See “activities”
November	Relationships Within Triangles	MA.G-CO.C.10	Classifying Triangles Triangle Angle Sum Exterior Angle Theorem Isosceles Triangle Theorem Inequalities in One Triangle Triangle Inequality Thm. Hinge Theorem	Desmos Activities: * Isosceles & Equilateral Investigation * Inequalities in One Triangle Investigate * Triangle Inequality Thm. Investigation "Who Dunnit" Kahoot Deltamath.com IXL Peardeck	Summative: 4.1-4.3 Assessment Unit Assessment Formative: Whiteboarding, Check for Understanding, Group Work, Class Discussion, Classwork, Exit Tickets, See “activities”
December	Congruent Triangles	MA.G-CO.B7 MA.G-CO.B8	Rigid motion Corresponding Parts Triangle Congruence: SSS, SAS, ASA, AAS, HL	Proofs Group Work Drag & Drop Proofs Pixel Art <i>(Instant Feedback)</i> Kahoot Deltamath.com IXL Peardeck	Summative: Triangle Shortcuts Assessment Unit Assessment Formative: Whiteboarding, Check for Understanding, Group Work, Class Discussion, Classwork, Exit Tickets, See “activities”

January	Quadrilaterals & Parallelograms	MA.G-CO.A1 MA.G-CO.A3 MA.G-CO.B MA.G-CO.C MA.G-CO.C.11 MA.G-CO-GPE.B.4	Angles in a Polygon Polygon (regular, irregular) Parallelogram Properties of Parallelograms	Angles in a Polygon Investigation Frayer Model Graphic Organizers Properties of Parallelograms Investigations Quad Family Group Project Kahoot Deltamath.com IXL Peardeck	Summative: 6.1-6.3 Assessment Unit Assessment Formative: Whiteboarding, Check for Understanding, Group Work, Class Discussion, Classwork, Exit Tickets, See “activities”
February	Similarity	MA.G-CO.10 MA.G-SRT.A.2 MA.G-SRT.A.3 MA.G-SRT.B.4 MA.G-GPE.B.6	Ratio & Proportion Partitioning Segments Similar Polygons Scale Indirect Measurement Proportions in Triangles Side Splitter Theorem Triangle-Angle Bisector Thm.	Dan Meyers Sugar Packets Word Problems Group Work Kahoot Deltamath.com IXL Peardeck	Summative: Ratios, Proportions Assessment Unit Assessment Formative: Whiteboarding, Check for Understanding, Group Work, Class Discussion, Classwork, Exit Tickets, See “activities”
February/ March	Right Triangles and Trigonometry	MA.G-SRT.B.4 MA.G-SRT.B.5 MA.G-SRT.C.6 MA.G-SRT.C.7 MA.G-SRT.C.8 MA.G-SRT.D.10	Pythagorean Theorem Special Right Triangles Trigonometric ratios Law of sines	Word Problems Group Work Inclinometer Activity Kahoot Deltamath.com IXL Peardeck	Summative: 8.1-8.5 Assessment Unit Assessment Formative: Whiteboarding, Check for Understanding, Group Work, Class Discussion, Classwork, Exit Tickets, See “activities”

March/April	Circles	MA.G-CO.A.1 MA.G-C.A.1 MA.G-C.A.2 MA.G-C.B.5 MA.G-GPE.A.1	Parts of a Circle Arcs/Central Angles Circumference Area Arc Length Area of a Sector Circles in the Coordinate Plane	Arc Length Investigation "WhoDunnit" Gimkit Kahoot Deltamath.com IXL Peardeck	Summative: Circles Basics Assessment Unit Assessment Formative: Whiteboarding, Check for Understanding, Group Work, Class Discussion, Classwork, Exit Tickets, See "activities"
April/May	Coordinate Plane Geometry	MA.G-CO.A.1 MA.G-GPE.B.4 MA.G-GPE.B.5 MA.G-GPE.B.7 MA.N-CN.B.6 MA.N-VM.A.1	Distance Formula Midpoint Formula Slope Parallel/Perpendicular Lines Vectors Equations of Lines	Distance Formula Investigation Midpoint Formula Investigation Gimkit Kahoot Deltamath.com IXL Peardeck	Summative: Distance & Slope Assessment Unit Assessment Formative: Whiteboarding, Check for Understanding, Group Work, Class Discussion, Classwork, Exit Tickets, See "activities"
May	Area	MA.G-GPE.B.7 MA.G-MG.A.1 MA.G-MG.A.2 MA.S-MD.B.5 MA.S-MD.B.5b MA.S-MD.B.6 MA.S-MD.B.7	Area of: Rectangles Triangles Parallelograms Regular Polygons Irregular Figures Trigonometry & Area	Group Work Desmos Gimkit Kahoot Deltamath.com IXL Peardeck	Summative: Unit Assessment Formative: Whiteboarding, Check for Understanding, Group Work, Class Discussion, Classwork, Exit Tickets, See "activities"

May/June	Surface Area and Volume	MA.G-GMD.A.1 MA.G-GMD.A.2 MA.G-GMD.A.3 MA.G-GMD.B.4 MA.G-MG.A.2, MA.G-MG.A.3	Cross Sections Surface Area & Volume of: Prisms Pyramids Cones Cylinders Spheres	Net Diagram 3D Activity Geogebra Desmos Gimkit Kahoot Deltamath.com IXL	Summative: Surface Area Assessment Unit Assessment Formative: Whiteboarding, Check for Understanding, Group Work, Class Discussion, Classwork, Exit Tickets, See “activities”
June	Transformations	MA.G-CO.A.2 MA.G-CO.A.3 MA.G-CO.A.4 MA.G-CO.A.5 MA.G-CO.B.6 MA.G-GMD.B.4 MA.G-SRT.A.1 MA.G-SRT.A.1a MA.G-SRT.A.1b MA.G-SRT.A.2	Mapping & Functions Reflections Rotations Translations Dilations	Geogebra Desmos Investigations Gimkit Kahoot Deltamath.com IXL	Summative: Rigid Motions Assessment Unit Assessment Formative: Whiteboarding, Check for Understanding, Group Work, Class Discussion, Classwork, Exit Tickets, See “activities”