



**Geometry PreAP/GT
Year at a Glance (YAG)
2021-2022**



		Early Release (1)	
2nd Nine Weeks – 42 days (October 14 th – December 17 th) <i>(November 22nd – 26th – Thanksgiving Break)</i> <i>(December 20th – 31st – Holiday Break)</i>		4th Nine Weeks – 51 days (March 14 th – May 25 th) <i>(April 8th – Battle of Flowers – No School)</i> <i>(April 15th – Good Friday – No School)</i> <i>(May 30th – Memorial Day – No School)</i>	
TEKS G.5A, G.6B, G.6D G.5D, G.6A, G.5D, G.6D	<p>Unit 4: Triangles (15) Students will apply special relationships about the interior and exterior angles of triangles. Students will identify corresponding parts of congruent triangles and prove triangles congruent. Students will learn about the special properties of isosceles and equilateral triangles.</p> <p>Unit 5: Triangle Relationships (7) Students will verify, identify and use perpendicular bisectors, angle bisectors, medians and altitudes in triangles. Students will recognize and apply properties of inequalities to the measures of the angles of a triangle, and to the relationships between the angles and sides of a triangle. Students will use the Triangle Inequality Theorem to identify possible triangles, and to prove triangle relationships. Students will apply the Hinge Theorem or its converse to make comparisons in two triangles, and to prove triangle relationships.</p> <p>PSAT (1) Early dismissal (1) Review (3) Semester Exams (4)</p>	<p>G.6D, G.9A, G.9B</p> <p>G.5A, G.12A, G.12B, G.12D</p> <p>G.10B, G.11A, G.11B, G.12C</p>	<p>Unit 8: Right Triangles and Trigonometry Part 2 (9) Students will solve problems involving angles of elevation and depression and find the distance between two objects. Students will use the Law of Sines and the Law of Cosines to solve triangles.</p> <p>Unit 9: Circles (12) Students will identify and use parts of circles. Students will solve problems involving circumference of circles. Students will learn the relationships between central angles, inscribed angles, arcs, and chords in circles. Students will apply properties of tangents and solve problems involving circumscribed polygons. Students will find measures of angles formed by lines intersecting inside a circle, on a circle or outside a circle.</p> <p>Unit 10: Area (15) Students will find perimeters and areas of polygons. Students will apply the formula for the area of regular polygons to solve problems using appropriate units of measure. Students will find areas of circles, and areas of sectors of circles. Students will find areas of composite figures. Students will apply area formulas to solve application problems.</p> <p>RTI (1) EOC (1) Review (3) Semester Exams (4)</p>

Resources

1st Nine Weeks	2nd Nine Weeks	3rd Nine Weeks	4th Nine Weeks
McGraw-Hill Geometry All Things Geometry	McGraw-Hill Geometry All Things Geometry	McGraw-Hill Geometry All Things Geometry	McGraw-Hill Geometry All Things Geometry



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