



Mesquite ISD Curriculum Sequence Second Semester GT Geometry

4th Six Weeks	5th Six Weeks	6th Six Weeks
<ul style="list-style-type: none"> • Trigonometry (G.1B, G.4, G.7B,G.8C, G.9B,G.11C) • Angles of Elevation & Depression (G.8C, G.9B,G.11C) • Law of Sines (G.11C) • Interior and Exterior Angles of Polygons (G.2B, G.5B, G.9B) • Parallelograms: Rectangles, Rhombi, & Squares (G.1C, G.2B, G.7B) • Trapezoids & Kites (G.2A, G.2B, G.3B, G.7B) • Similar Polygons and Scale Factor (G.11A, G.11B) • Dilations and Scale Factor (G.2B, G.5C, G.11A) • Reflections and Translations (G.2B,G.5C, G.11A) • Rotations (G.2B,G.5C, G.11A) • Tessellations (G.5C) 	<ul style="list-style-type: none"> • Circles: Central Angle, Arcs, Chords, and Proportional Parts (G.2B, G.3B, G.5D, G.8B) • Circles: Area of Sectors & Segments (G.4, G.8A, G.8B) • Circles: Inscribed Angles (G.2B, G.5B) • Circles: Special Segments, Tangents & Secants (G.5B, G.9C) • Circles: Equations of Circles, incorporate graphing utility and $y =$ (Basic Understanding 5 and 6 , G.2B, G.7A) • Construction Techniques: Finding Center of Circle (G.2A, G.3B) • Area of Polygons, Regular Polygons & Circles: (G.8A, G.8F, G.11D) • Area of Composite Figures (G.8A, G.8F) 	<ul style="list-style-type: none"> • Nets, Space Figures and Orthographic and Isometric Views (G.6A, G.6B, G.6C, G.9D) • Surface Area & Volume of Polyhedra- Prisms and Pyramids (G.8D, G.8F, G.11D) • Surface Area and Volume of Spheres, Cylinders, and Cones (G.1B, G.8D, G.8F, G.11D) • Surface Area and Volume of Complex Figures with Applications (G.1B, G.8D, G.8F, G.11D) • Scale Factor and Effects of Dimensional Change (G.8F, G.9D, G.11B, G.11D) • Geometric Probability and Statistics (G.8A, G.8E) • Euclidean vs. Non-Euclidean Geometry (G.1B, G.1C) • STAAR Test Review • Semester Exams