26-27 Geometry Year-At-A-Glance

Term 1	Term 2	Term 3	Term 4
Introduction to Geometry • Inductive and Deductive Reasoning • Conditional and Bi-Conditional Statements • Points, Lines, Planes, Postulates • Distance and Midpoint • Pythagorean Theorem Time: 2 weeks HMH Lesson: 1.1, 1.2, 1.4, 1.5 **Angles** • Angle Relationships • Slopes and Equations of Lines • Parallels and Transversals Time: 2.5 weeks HMH Lesson: 4.1, 4.2, 4.3, 4.4, 4.5 **Triangles** • Congruency Time: 2.5 weeks HMH Lesson: 3.3, 5.1, 5.2, 5.3, 5.4, 6.2, 6.3	**Triangles (continued)** • Types of Triangles • Inequalities in Triangles Time: 1 week HMH Lesson: 7.1, 7.2, 7.3 **Similarity** • Proportions • Dilations and Scale Factor • Theorems • Geometric Mean Time: 3 weeks HMH Lesson: 11.1, 11.3, 11.4, 12.1, 12.3, 12.4,18.3 **Right Triangles** • Special Right Triangles • Trigonometric Ratios • Applications Time: 2 weeks HMH Lesson: 13.1, 13.2, 13.3 **Segments in Triangles** • Special Segments • Centroid Time: 1.5 weeks HMH Lesson: 8.1, 8.2, 8.3 8.4 **Polygons** • Polygons of n-sides • Sum of Interior and Sum of Exterior Angles Time: .5 weeks HMH Lesson: 7.1 **Semester Exam**	**Probability** • Independent and Dependent Events Time: .5 weeks HMH Lesson: 20.2 **TSIA2 Bootcamp** **Quadrilaterals** • Parallelograms and Rectangles • Squares and Rhombi • Kites and Trapezoids Time: 2 weeks HMH Lesson: 9.1, 9.2, 9.3, 9.4, 9.5, 10.4 **Circles** • Angle Relationships and Segments • Circumference and Area • Arc Length • Sector Area • Equations Time: 3.5 weeks HMH Lesson: 14.1, 14.2, 14.3, 14.4, 14.5, 15.1, 15.2, 15.3 **Perimeter and Area** • Regular Polygons • Composite Figures • Dimensional Change Time: 1 weeks HMH Lesson: 18.4	**Volume and Surface Area** • Volume: Prisms, Cylinders, Pyramids, Cones, Spheres, Composite Figures • Cross Sections and Solids of Rotation • Surface Area: Prisms, Cylinders, Pyramids, Cones, Spheres, Composite Figures • Dimensional Change Time: 4 weeks HMH Lesson: 16.1, 16.2, 16.3, 16.4, 17.1, 17.2, 17.3, 17.4 **Transformations** • Translations, Reflections and Rotations • Compositions and Symmetry Time: 2 weeks HMH Lesson: 1.3, 2.1, 2.2, 2.3, 2.4, 3.1, 3.2 **Probability** • Set Theory • Geometric Probability • Mutually Exclusive and Overlapping Events • Conditional Probability • Permutations & Combinations Time: 2 weeks HMH Lesson: 18.2, 19.1, 19.2, 19.4, 20.1, 20.2 **Semester Exam**

*HMH TX Geometry can be accessed via Clever.

Timeframes may vary slightly based on student needs.