



Approximate Time	Critical Concept Units	Benchmarks	Unit Overview
3 rd Quarter	8 Proving Relationships & Theorems		
	9 Two- and Three-Dimensional Shapes	MA.912.GR.4.1 MA.912.GR.4.2 MA.912.GR.4.3 MA.912.GR.4.4 MA.912.GR.4.5 MA.912.GR.4.6	<p>Students will:</p> <p>Goal 1- Identify the shapes of two-dimensional cross-sections of three-dimensional figures.</p> <p>Goal 2 - Identify three-dimensional objects generated by rotation.</p>

12 days



Approximate Time		Critical Concept Units	Benchmarks	Unit Overview
4 th Quarter	10 days	11 Justifying Relationships in Polygons with Circles	MA.912.GR.1.3 MA.912.GR.5.3 MA.912.GR.6.3 MA.912.LT.4.10	Students will: Goal 1 - Prove relationships and theorems about triangles and solve mathematical and real-world problems involving postulates, relationships, and theorems of triangles. Goal 2 - Construct the inscribed and circumscribed circles of a triangle. Goal 3 - Solve mathematical problems involving triangles and quadrilaterals inscribed in a circle.
	10 days	12 Segment Relationships in Circles	MA.912.GR.6.1 MA.912.GR.7.2 MA.912.GR.7.3	Students will: Goal 1 - Solve mathematical and real-world problems involving the length of a secant, tangent, segment, or chord in a given circle. Goal 2 - Given a mathematical or real-world context, derive and create the equation of a circle using key features. Goal 3 - Graph and solve mathematical and real-world problems that are modeled with an equation of a circle. Determine and interpret key features in terms of the context.
	13 days	13 Shapes on a Coordinate Plane	MA.912.GR.3.1 MA.912.GR.3.2 MA.912.GR.3.3 MA.912.GR.3.4 MA.912.GR.7.2	Students will: Goal 1 - Determine the weighted average of two or more points on a line. Goal 2 - Given a mathematical or real-world context, use coordinate geometry to classify or justify definitions, properties and theorems involving circles, triangles, or quadrilaterals. Goal 3 - Use coordinate geometry to solve mathematical and real-world geometric problems involving lines, circles, triangles, and quadrilaterals. Goal 4 - Use coordinate geometry to solve mathematical and real-world problems on the coordinate plane involving perimeter or area of polygons. Goal 5 - Given a mathematical or real-world context, derive and create the equation of a circle using key features.