

Video Title	Grade Level	Domain (Topic)	Cluster	Standard
Area of a Circle	7th	Geometry	Solve real-life and mathematical problems involving angle measure, area, surface area, and volume	<b>CCSS.MATH.CONTENT.7.G.B.4 Know the formulas for the area and circumference of a circle and use them to solve problems; give an informal derivation of the relationship between the circumference and area of a circle.</b>
	7th	Geometry	Solve real-life and mathematical problems involving angle measure, area, surface area, and volume	<b>CCSS.MATH.CONTENT.7.G.B.6 Solve real-world and mathematical problems involving area, volume and surface area of two- and three-dimensional objects composed of triangles, quadrilaterals, polygons, cubes, and right prisms.</b>
	HS - Geometry	Geometric Measurement and Dimension	Explain volume formulas and use them to solve problems	<b>CCSS.MATH.CONTENT.HSG.GMD.A.1 Give an informal argument for the formulas for the circumference of a circle, area of a circle, volume of a cylinder, pyramid, and cone. Use dissection arguments, Cavalieri's principle, and informal limit arguments.</b>