

Weekly Lesson Plans
WIDA Content and Language Objectives
Strong Middle School

Mr. Wilkie
8th-Grade Math

March 7th-11th 2016	Monday	Tuesday	Wednesday	Thursday	Friday
Content Objective	SW demonstrate analysis of Pythagorean Thm by completing real world story problem using the 4-Step Problem solving strategy.	Students will demonstrate comprehension circles by finding the area and circumferences of various circles.	Students will demonstrate analysis of areas of circles by proving the equation $A=\pi r^2$ in an investigation.	SW demonstrate analysis of areas and circumferences of circles by completing real world problem using the 4-Step Problem solving strategy.	SW demonstrate application of the pythagorean thm. by performing well on a summative assessment.
Language Objective	Collins Writing weigh specific FCAs.	Students will write and verbally identify parts of a circle on a sketch that they create.	Students will write and apply two circle equations: $A=\pi r^2$ $C=\pi d$	Collins Writing weigh specific FCAs.	Multiple vocabulary will be emphasized and applied in the assessment.
Weekly Vocabulary	Acute Obtuse, Right, Hypotenuse, legs, Distance, square root, cube root, line segments	Circle, Pi, Circumference, Area, Diameter, Radius	Circle, Pi, Circumference, Area, Diameter, Radius. Circumference equation, Area equation	Circle, Pi, Circumference, Area, Diameter, Radius. Circumference equation, Area equation	Acute Obtuse, Right, Hypotenuse, legs, Distance, square root, cube root, line segments
CCS covered and Strand	8.G.B.7 Apply the Pythagorean Thm in a Coord. System	7.G.B.4 Know formulas for areas and circumference of circles and apply them.	7.G.B.4 Know formulas for area and circumference of circles and apply them	7.G.B.4 Know formulas for area and circumference of circles and apply them	8.G.B.7 Apply the Pythagorean Thm in a Coord. System

Monday: 4-Step (Pyth. Thm) **Tuesday:** Area and Circumference **Wed:** Area of Circles
Thurs: 4-Step Circles **Friday:** Pyth. Thm-Assessment