

**Weekly Lesson Plans**  
**WIDA Content and Language Objectives**  
**Strong Middle School**

*Mr. Wilkie*  
**8th-Grade Math**

May 2nd-6th, 2016	Monday	Tuesday	Wednesday	Thursday	Friday
<b>Content Objective</b>	SW demonstrate analysis of exponential growth by determining whether a relationship is exponential, linear, or nether (Labsheet)	SW demonstrate comprehension of square roots by converting numbers to radical form (in math notebook)	SW demonstrate analysis of exponential functions by completing problem 5.2 (Rules of exponents)	SW demonstrate analysis of exponential functions by completing real world problem using the 4-Step Problem solving strategy.	SW demonstrate application of exponential functions by performing well on a quiz.
<b>Language Objective</b>	SW orally explain various relationships in a table and a graph.	SW complete summary sentence stems on square roots and radical form.	SW orally summarize rules of multiplying, dividing, and raising exponents.	Collins Writing with specific FCAs. Step 4 involves restating and making sense of solution.	After Quiz, time permitting, students will participate in math vocabulary game.
<b>Weekly Vocabulary</b>	Exponents, exponential form, standard form, expanded form, growth, growth factor	Exponents, exponential form, standard form, expanded form, growth, growth factor	Exponents, exponential form, standard form, expanded form, growth, growth factor	Exponents, exponential form, standard form, expanded form, growth, growth factor	Exponents, exponential form, standard form, expanded form, growth, growth factor
<b>CCS covered and Strand</b>	<a href="#">8.F.A.2</a> Compare properties of 2 functions algebraically.	<a href="#">8.EE.A.2</a> Use square and cube root to represent solutions.	<a href="#">8.EE.A.1</a> Know and apply properties of integer exponents.	<a href="#">8.EE.A.1</a> Know and apply properties of integer exponents.	<a href="#">8.EE.A.1</a> Know and apply properties of integer exponents.

**Monday:** Exponential Growth **Tuesday:** Radical Form **Wed:** Problem 5.2 **Thurs:** 4-Step Exponents **Friday:** Quiz-Exponents