

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

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

May 9th-13th, 2016	Monday	Tuesday	Wednesday	Thursday	Friday
<b>Content Objective</b>	SW demonstrate comprehension of exponential functions by multiplying exponents with unlike bases (in math notebook)	SW demonstrate application of exponential rules by converting numbers to the nth root in problem 5.3.	SW demonstrate comprehension of cube roots by converting them to radical form (in math notebook)	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 complete summary sentence stems on exponential operations.	SW complete summary sentence stems on exponential operations.	SW complete summary sentence stems on square roots and radical form.	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.EE.A.1</a> Know and apply properties of integer exponents.	<a href="#">8.EE.A.2</a> Use square and cube root to represent solutions.	<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.

**Monday:** Multiplying exponents (unlike base) **Tuesday:** Problem 5.3 **Wed:** radical form-cube root **Thurs:** 4-Step Exponents **Friday:** Quiz-Exponents