Unit Topic: Unit 2 Chapter 13 | Franklin-Simpson Middle School | Date: August/September

DAY IN UNIT	*Content Strand *Learning Target -I Can *Essential Questions -WHY?? -How do you know? Curriculum document Common Core	Vocabulary/ Vocab Activity Activities Activities II	Thoughtful Ed./ Student Engagement www.marshall.kyschools.us/ www.muhlenberg.kyschools.us/?q=node/61 Engagement Cube Cube II (examples)	Literacy/Reading in the Content Literacy Ideas	Formative/ Summative Assessment F –Formative S-Summative www.act.org/standard/guides/explore/ Strategies More Ideas	Differentiation T-Task S-Special Needs G-Gifted/Accel. http://serge.ccsso.org/ Ideas 9 Types Big Explanation Tool	Technology 50 Ideas
	Pretest						
1	8.ee.1 I CAN expand a power into a product. I CAN write a product as a power. I CAN simplify expressions containing integer exponents.	Work on Vocabulary notebook Exponent Base Power Exponential Form	Foldable	Foldable	13.1 Problems 1 and 2 Skills Practice Problems 2-6, 28-32, 46-50, 54-58	Students who scored mastery on pretest will work on MATHia to excel in more advanced concepts. **No special needs in this class	PowerPoint Lesson Interwrite Pad
2	8.ee.1 I CAN use the properties of integer exponents to simplify expressions.	N/A		Analyze problems to determine who is correct	13.2 Problems 2, 3, 4, 5 Skills Practice Problems 28-32, 40-44, 58-62	Students who scored mastery on pretest will work on MATHia to excel in more advanced concepts.	PowerPoint Interwrite
3	8.ee.1 I CAN simplify powers that have an exponent of zero. I CAN simplify powers with negative exponents. How do I apply the properties of exponents to solve problems?	N/A	Develop rule that you can use when raising any base to the zero power		13.3 Problems 1, 2, 3, 4 Skills Practice Problems Pg. 885 2-6, 14-18, 44-48	Students who scored mastery on pretest will work on MATHia to excel in more advanced concepts.	PowerPoint Interwrite

4	Review/Quiz				Quiz MATHia day		Dell Duo lab for MATHia
5	8.ee.1 8.ee.3 8.ee.4 I CAN express numbers in scientific notation. I CAN express numbers in standard form. I CAN perform operations (multiply, divide, add, subtract) using scientific notation.	Work on Vocabulary notebook Scientific Notation Order of Magnitude Mantissa Characteristic	Compare and Contrast different methods used to write numbers in scientific notation	Explain how to compare two large numbers that are written in scientific notation	13.4 Problems 1, 2, 3 Skills Practice Problems Pg. 893 Vocabulary 1, Problem set 2-6, 10-14	Students who scored mastery on pretest will work on MATHia to excel in more advanced concepts.	Graphing calculator PowerPoint
6	8.ee.1 8.ee.3 8.ee.4 I CAN perform operations (multiply, divide, add, subtract) on numbers written in scientific notation.	N/A	Compare and Contrast different methods used to solve problems	Describe process of calculating the sum of two numbers written in scientific notation	13.5 Problem 1 #3 Problem 2 #3 Problem 3 #12 Problem 4 #3 Skills Practice Problems Pg. 905 2-6, 14-18	Students who scored mastery on pretest will work on MATHia to excel in more advanced concepts.	PowerPoint
7	8.ee.1 8.ee.2 8.ee.3 8.ee.4 I CAN use the power properties to justify steps.	N/A	Notetaking using graphic organizers for properties	Writing – notes on graphic organizers	Complete graphic organizers 13.6 Problem 2, 3 Skills Practice Problems Pg.913 2-6	Students who scored mastery on pretest will work on MATHia to excel in more advanced concepts.	Document Camera to share organizers
8	8.ee.3 I CAN express numbers in scientific notation. I CAN express numbers in standard form. I CAN perform operations (multiply, divide, add, subtract) using scientific notation.	N/A	Novelty & Variety: Students work in small groups on a collaborative task matching measurements expressed in decimal and scientific notation. They then match these measurements to everyday objects. Estimating Length using		S: Pre-Assessment and Post-Assessment for FAL activity		PowerPoint Document Camera Interwrite

			Scientific Notation **FAL lesson from Bill and Melinda Gates Foundation Grant				
9	Study Guide	N/A	Review Game		Study Guide		
10	Test	Vocabulary notebook due			TEST Open Response		