

<b>St. Matthew Catholic School</b>		<b>Subject: 7<sup>th</sup> Grade Math</b>			<b>Teachers: Mr. Motamed, Mr. Boegel</b>	
<b>Unit 03 – Operations of Rational and Exponential Expressions</b>						
<i>Timeline:</i>	<i>Standards</i>	<i>Content</i>	<i>Skills</i>	<i>Assessment</i>	<i>Instructional Strategies &amp; Resources</i>	
<b>November 1 to December 21, 2012</b>	MR 1.1, 2.5 NS 1.2, 1.7, 2.4 AF 2.1	Prime Numbers Prime Factorization Greatest Common Factor (GCF) Least Common Multiple (LCM) Simplify Fractions involving variables (Variable Expressions) Rational Number Family	-- Identify Prime and Composite Numbers -- Use prime factorization tree to find prime factors of a given number (with variable) -- Identify numbers that are relative prime to each other -- Find GCF and LCM -- Develop Venn Diagram describing Rational, Irrational, Integer, Whole, and Natural Number set	-- Informal QA in the class -- Daily single question and discussion -- Successfully complete and turn in HW's -- Successfully complete Quizzes -- Successfully complete unit assessment	-- Text Book, Chapter 5, 6 -- Worksheets -- Mr. Motamed's website: <a href="http://www.MrMTeachingMath.com">www.MrMTeachingMath.com</a>	
	NS 1.3, 1.4		-- Realize percent -- Write Percent as a fraction and as a decimal number -- Find / calculate percent of a number -- Realize / identify commonly used percentages and their fraction and decimal equivalents			
	NS 1.3	Percent	-- Solve two- and multi-step equations involving fractions. -- Multiply and Divide Expressions -- Evaluate, Simplify Zero and Negative Exponents -- Write numbers in Scientific Notation and the other way around			
	AF 2.1, 4.1	Solve mutli-step equations involving rational numbers Operation of Exponential Expressions Zero and Negative Exponents Scientific Notation				
NS = Number Sense AF = Algebra and Functions MG = Measurements and Geometry SDP = Statistics, Data Analysis, and Probability MR = Mathematical Reasoning			Text Book: Mathematics Concepts and Skills, Course 2; Mc Dougal Littell Larson, Boswell, Kanold, Stiff; McDougal Littell PUNCHLINE Algebra, ©2006 Marcy Mathworks			

