St. Matthew Catholic School	Subject: Algebra I (HS Algebra 1,2)					Teacher: Mr. Boegel Mr. Motamed
	Unit 06 – Writing, Solving, Graphing & Analyzing Exponential Functions					
Timeline:	*PEARL, Character Traits*	*Common Core Standards*	*"I Can" Statements*	*Content*	*Skills*	*Assessment*	*Instructional Strategies & Resources*

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April 28 to May 23, 2014	L6 L3 P1 Compassion Integrity Sincerity Being Safe Selflessly Helpful Respectful Responsible Building Friendships Caring Active Christian Not giving up Persevering	F-LE 2 (Exponential Function)	-- I can operate within Exponential Expressions (Review) -- I can write expressions in Scientific Notations (Review) -- I can simplify exponential expressions (Review) -- I can graph / sketch simple exponential functions ----- Exponential Growth ----- Exponential Decay	Combine like-terms (review) Multiply exponential expressions (review) Write numbers in Scientific Notation Divide exponential expressions (review) Calculate compound interest rate problem Graph and analyze exponential growth and exponential decay functions Solve word problem (physics or biology) use exponential function model to describe the problem	-- Combine like terms -- Simplify exponential expressions. -- Write in Scientific Notation -- Solve simple and compound interest rate problem. -- Write, sketch and analyze exponential growth and exponential decay for a given physical problem	-- Informal QA in the class -- Daily single question and discussion -- Successfully complete and turn in HW's (~ 1 to 2 per week) -- Successfully complete Quizzes -- Successfully (~ 1 per week) complete unit assessment (~ 1 per month) -- Quizzes and Tests are designed to evaluate, reinforce and provide feedback o all the skills stated in this unit.	-- Text Book, Chapters 8, 12 -- Worksheets (posted) -- Mr. Motamed's website: www.MrMTeaching Math.com -- Class Notes (posted) -- Mixed Review -- Worksheets from Punch line Algebra, Marcy Mathworks -- Math Circle -- Peer-Peer Teaching

EE= Expressions and Equations SSE= Seeings Structure in Expression CED= Creating Equation REI= Reasoning with Equations and Inequalities RP= Ratios and Proportional RelationshipsText Book: Mathematics Concepts and Skills, Course 1; Larson, Boswell, Kanold, Stiff; McDougal Littell