

# Ms. Gentry's ~ Lesson plans Week of: March 25<sup>th</sup>

	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
M O N D A Y	<p>Continue to write and graph exponential growth functions. Graph functions and identify the domain and range. Use the exponential growth model to solve compound interest other real world problems. A.CED.2</p> <p>4<sup>th</sup> Quarter</p>	<p>Review of chapter 8 – work practice test questions</p> <p>Compare, contrast and use properties of quadrilaterals, parallelograms, rectangles, squares, rhombuses, trapezoids and kites.</p> <p>Find interior and exterior angle sums</p> <p>G.CO.11 Prove theorems about parallelograms, Theorems include: opp. sides are congruent, diagonals bisect each other, and conversely.</p> <p>4<sup>th</sup> Quarter</p>	<p>ACT Practice –</p> <p>Go over Quiz</p> <p>Take quiz for those absent</p> <p>Thursday/Friday</p>	<p>How to do your banking activity – setting goals</p> <p>Students will complete a goal mapping activity page after discussion of things that are important to consider in setting goals.</p> <p>4<sup>th</sup> Quarter</p>
	<b>Writing is incorporated in</b>	<b>daily explanations &amp; justifications</b>	<b>of math problems</b>	
T U E S D A Y	<p>Graph exponential decay functions. Identify the domain and range of functions. Model on the geogebra program and graphing calculators. Compare graphs to that of the parent function. P 535 3-36 every 3<sup>rd</sup>. 47-49 A.CED.2</p>	<p>ASSESSMENT</p> <p>Chapter 8 Test</p>	<p>Start introduction Chapter 7- sequences</p> <p>Study patterns and make conjectures about next terms in patterns. Describe rules. Review different types of patterns.</p> <p>Assign problems on page 438: 3-27 every 3<sup>rd</sup>, 28,29</p> <p>F.IF.3 Recognize that sequences are functions, sometimes defined recursively, whose domain is a subset of the integers</p>	<p>Where does the money go?</p> <p>Creating a budget</p> <p>Compare and contrast budget apps, discuss importance of budgeting, the variety of items to have in a budget along with recommended percentages for each and then create a budget including escrows etc.</p>
	<b>ALGEBRA I</b>	<b>GEOMETRY</b>	<b>ALGEBRA II</b>	<b>INTEGRATED MATH</b>
W E D N E S D A Y	<p>Review ch 8- start practice test</p> <p>Properties of exponents</p> <p>Scientific Notation</p> <p>Exponential functions</p> <p>Exponential growth and decay models</p>	<p>Draw 3 dimensional figures. Create isometric drawings using isometric dot paper. Create orthographic projections from two dimensional views. P 550 activity and counting cubes/ modular house activity. Use appropriate tools strategically</p> <p>G.MD.3</p>	<p>Graph sequences and write series using summation notation. Find the sum of a finite series. Assign practice problems after working a variety of example in class. P. 438 2<sup>nd</sup> half 38-50 evens, 63,65</p> <p>F.IF.3 Recognize that sequences are functions, sometimes defined recursively, whose domain is a subset of the integers</p>	<p>Create a budget</p> <p>Where does the money go?</p> <p>Creating a budget</p> <p>Compare and contrast budget apps, discuss importance of budgeting, the variety of items to have in a budget along with recommended percentages for each and then create a budget including escrows etc. Share findings on budget apps and interviews of people. Create a sample budget</p>

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T H U R S D A Y	<p>Finish review of chapter 8</p> <p>Properties of exponents</p> <p>Scientific Notation</p> <p>Exponential functions</p> <p>Exponential growth and decay models. Finish practice test</p>	<p>Go over Tests</p> <p>Draw 3 dimensional figures. Create isometric drawings using isometric dot paper. Create orthographic projections from two dimensional views. P 550 activity and counting cubes/ modular house activity. Use appropriate tools strategically</p> <p>G.MD.3</p>	<p>Analyze arithmetic sequences and series. Use and write rules for the nth term of an arithmetic sequence. Find the sum of finite arithmetic series. Assign practice problems on page 446: 5-10,12-26 evens after working a variety of sample problems together. F.BF.2</p> <p>Write arithmetic sequences</p>	<p>Savings – discussion on importance of savings, different options for savings – recommended percentages to save. Calculate different interest rates and ways of compounding interest.</p>
	ALGEBRA I	GEOMETRY	ALGEBRA II	INTEGRATED MATH
F R I D A Y	<p>TEST Chapter 8</p> <p>Properties of exponents</p> <p>Scientific Notation</p> <p>Exponential functions</p> <p>Exponential growth and decay models</p>	<p>Review types of transformations. Introduce vectors</p> <p>Translate figures through the use of vectors. Write component form of vectors. Review rigid motions. Demonstrate on geogebra program. G.CO.5 Given a geometric figure and a rotation, reflection or translation , draw the transformed figure using e.g. graph paper, tracing paper or geometry software, Specify a sequence that will carry a figure onto another.</p>	<p>Analyze arithmetic sequences and series. Use and write rules for the nth term of an arithmetic sequence. Find the sum of finite arithmetic series. Assign practice problems on page 446: 30-50evens,63,64 after working a variety of sample problems together. F.BF.2 Write arithmetic and geometric sequences both recursively and with an explicit formula, use them to model situations, and translate between two forms.</p>	<p>Research different investment options: savings, IRA's, stocks, mutual funds, real estate, etc. Record contrasts and comparisons between 3 different types. Create questions for an investment person.</p>