

Please Note:

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Publisher Resource:

Thinking Mathematically, 6th edition, Blitzer

Other Course Supplemental Resources:

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Liberal Arts Mathematics 1

2016 – 2017

	Week	Major Concepts / Topics	Possible Resources
Quarter 1 Aug 10 – Oct 14	1 8/10 - 8/12	Chapter 5 (Unit 1) – Number Theory and the Real Number System <ul style="list-style-type: none"> Section 5.2: The Integers; Order of Operations 	Section 5.2 – Khan Academy
	2 8/15 – 8/19	<ul style="list-style-type: none"> Section 5.3: The Rational Numbers Section 5.4: The Irrational Numbers Review, Assessment 	Section 5.3 – Khan Academy Section 5.4 – Khan Academy
	3 8/22 – 8/26	<ul style="list-style-type: none"> Section 5.5: The Real Numbers and Their Properties; Clock Addition Section 5.6: Exponents Review and/or Assessment 	Section 5.5 – Khan Academy Section 5.6 – Khan Academy
	4 8/29 – 9/2	<ul style="list-style-type: none"> Review, Unit 1 Test Chapter 6 (Unit 2)– Algebra: Equations and Inequalities <ul style="list-style-type: none"> Section 6.1: Algebraic Expressions and Formulas 	Section 6.1 – Khan Academy
	5 9/6 – 9/9	<ul style="list-style-type: none"> Section 6.2: Linear Equations in One Variable and Proportions Section 6.3: Applications of Linear Equations 	Section 6.2 & 6.3 – Khan Academy
	6 9/12 – 9/16	<ul style="list-style-type: none"> Section 6.4: Linear Inequalities in One Variable Review, Quiz Section 6.5: Quadratic Equations 	Section 6.4 – Khan Academy Section 6.5 – Khan Academy
	7 9/19 – 9/23	<ul style="list-style-type: none"> Section 6.5: Quadratic Equations Review 	Word Problems (Linear Equations) – Khan Academy Word Problems (Linear Inequalities) – IXL
	8 9/26 – 9/30	<ul style="list-style-type: none"> Review, Unit 2 Test Chapter 7 (Unit 3) – Algebra: Graphs, Equations, and Linear Systems <ul style="list-style-type: none"> Section 7.1: Graphing and Equations 	Section 7.1 – Graph from slope – intercept equation
	9 10/3 – 10/7	<ul style="list-style-type: none"> Section 7.1: Graphing and Equations Section 7.2: Linear Equations and Their Graphs 	Section 7.2 – Graphing linear equations
	10 10/10 – 10/14	<ul style="list-style-type: none"> Section 7.4: Graphing and shading one inequality Review, Test Unit 3 	Section 7.4 - Finding the inequality representing the graph

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Quarter 2 Oct 18 – Dec 21	1 10/18 – 10/21	<ul style="list-style-type: none"> Section 7.4: Graphing and shading one inequality Chapter 7 (Unit 4) – Algebra: Graphs, Functions, and Linear Systems Section 7.1: Graphing and Functions 	Domain and Range of Functions Function Notation and Evaluating Functions Interpreting Graphs Relating the Domain of a Graph Average Rate of Change of a Function
	2 10/24 – 10/28	<ul style="list-style-type: none"> Review, Quiz 7.1 Section 7.2: Linear Functions and Their Graphs 	
	3 10/31 – 11/4	<ul style="list-style-type: none"> Section 7.2: Linear Functions and Their Graphs Review, Quiz 7.2 Review writing variable expressions from words (7.1) 	
	4 11/7 – 11/10	<ul style="list-style-type: none"> Review writing variable expressions from words (7.1) Word Problems with polynomial expressions (7.2) 	Overview of Polynomial operations
	5 11/14 – 11/18	<ul style="list-style-type: none"> Word Problems with polynomial expressions (7.2) Review, Unit 4 Test Unit 5 – Polynomials Simplifying Polynomials Add Polynomials 	Simplify polynomials- Khan Academy Add and subtract - Khan Academy
	6 11/21 – 11/22	<ul style="list-style-type: none"> Subtract Polynomials 	
	7 11/28 – 12/2	<ul style="list-style-type: none"> Review add/subtract polynomials Review, Quiz Multiplying Polynomials 	Multiply- Khan Academy
	8 12/5 – 12/9	<ul style="list-style-type: none"> Review PEMDAS (order of operations) Substitute values into polynomials Review, Test Unit 5 	Variable expressions- Khan Academy
	9 12/12 – 12/16	<ul style="list-style-type: none"> Semester Review 	
	10 12/19 – 12/21	<ul style="list-style-type: none"> District Exams 	

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Quarter 3 Jan 5 – Mar 10	1 1/5 – 1/6	<ul style="list-style-type: none"> Review graphing (7.1) Review graphing (7.2) 	
	2 1/9 – 1/13	<ul style="list-style-type: none"> Chapter 7 (Unit 6)– Algebra: Graphs, Functions, and Linear Systems Section 7.3: Systems of Linear Equations in Two Variables By Graphing By Substitution 	Solving Systems of Equations Equivalent systems of Equations Constraints by Equations or Inequalities
	3 1/17 – 1/20	<ul style="list-style-type: none"> Section 7.3: Systems of Linear Equations in Two Variables By Elimination Review Unit 6 	Intersecting Functions Systems of Linear Inequalities
	4 1/23 – 1/27	<ul style="list-style-type: none"> Review, Test Unit 6 Unit 7: Basic Geometry and Constructions Points, Lines, Planes and Angles (Chapter 10.1) Identify Parallel and Perpendicular Lines 	SOSmath Systems of Equations Purplemath Systems of Equations Geometric Definitions Parallel and Perpendicular
	5 1/30 – 2/3	<ul style="list-style-type: none"> Identify Parallel and Perpendicular Lines Basic constructions 	Constructions Constructions in a Circle
	6 2/6 – 2/10	<ul style="list-style-type: none"> Review, Test Unit 7 Transformations Vocabulary Translations 	Rigid Transformations Translations
	7 2/13 – 2/16	<ul style="list-style-type: none"> Reflections Reflectional Symmetry Rotational Symmetry 	Reflections Rotations Symmetry of Two-Dimensional Shapes
	8 2/21 – 2/24	<ul style="list-style-type: none"> Dilations Review, Test Unit 8 	Dilations
	9 2/27 – 3/3	<ul style="list-style-type: none"> Unit 9: Similarity and Congruence Definition of Similarity AA Similarity 	Similarity and Transformations Similarity From Corresponding Parts Similar Triangle Using AA Solving Similar Triangles
	10 3/6 – 3/10	<ul style="list-style-type: none"> Finding missing angles and sides Review, Quiz Unit 9 	Solving Problems with Similar and Congruence Triangles

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Quarter 4 Mar 21 – May 24	1 3/12 – 3/24	<ul style="list-style-type: none"> Unit 9: Similarity and Congruence (cont'd) Pythagorean Theorem (10.2) Triangle Sum Theorem (10.2) 	Pythagorean Theorem Triangle Sum Theorem
	2 3/27 – 3/31	<ul style="list-style-type: none"> Review, Test Unit 9 Unit 10: Perimeter, Area and Volume Review Perimeter and Area (10.3 & 10.4) 	Area and perimeter of polygons Area and circumference of circles
	3 4/3 – 4/7	<ul style="list-style-type: none"> Population Density Identifying/Modeling 3D figures Cross sections of solids Rotation of 2D figures Review, Quiz 	Surface and Volume Density Word Problems 2D Cross-Sections and 3D Objects by Rotation of 2D Objects
	4 4/10 – 4/13	<ul style="list-style-type: none"> Volume of Prisms and Cylinders Volume of Pyramids and Cones 	Volume Word Problems with Cones, Cylinders and Spheres
	5 4/17 – 4/21	<ul style="list-style-type: none"> Volume of Spheres Review, Test Unit 10 	
	6 4/24 – 4/28	<ul style="list-style-type: none"> Unit 11: Statistics Measures of Central Tendency (Mean, Median, Mode and Range) Dot Plots Box Plots Normal Distribution 	Mean, Median and Mode Dot Plots Box Plots Normal Distribution
	7 5/1 – 5/5	<ul style="list-style-type: none"> Normal Distribution Interpret Shape and Center Extreme Data Points Shape of Distribution Standard Deviation 	Interpreting and Comparing Data Distributions Standard Deviation Exploring Standard Deviation
	8 5/8 – 5/12	<ul style="list-style-type: none"> Standard Deviation Estimate population based on standard deviation Review, Test Unit 11 	Inferring population mean from sample
	9 5/15 – 5/19	<ul style="list-style-type: none"> Course review Final Exams 	
	10 5/22 – 5/24	<ul style="list-style-type: none"> Final Exams 	

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