

CURRICULUM OVERVIEW

Blended Learning Library

Mathematics 700 Resources



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Mathematics 700 Resources Overview

The Blended Learning Library is a supplemental resource which may be used by teachers in conjunction with the subjects of Math 7, Math 8, Algebra I, Geometry, and Algebra II. They are not meant to serve as individual, stand-alone courses. These resources serve as a library of additional material to supplemental the respective course should a teacher decide to use them.

Mathematics 700 Resources	Unit 1: Integers	
	Assignments	
	1. Integers on the Number Line	8. Dividing Integers
	2. Comparing and Ordering Integers	9. Using Integers
	3. Inequalities and Absolute Value	10. The Real Number System
	4. Adding Integers with the Same Sign	11. Real Number Properties
	5. Adding Integers with Different Signs	12. The Distributive Property
	6. Subtracting Integers	13. Order of Operations
	7. Multiplying Integers	14. Exponents and the Order of Operations
Mathematics 700 Resources	Unit 2: Fractions	
	Assignments	
	1. Fractions and Mixed Numbers	5. Adding and Subtracting Fractions with Unlike Denominators
	2. Prime Factorization	6. Reducing Fractions
	3. Greatest Common Factor and Least Common Multiple	7. Comparing and Ordering Fractions
	4. Adding and Subtracting Fractions with Like Denominators	8. Multiplying Fractions
		9. Dividing Fractions
Mathematics 700 Resources	Unit 3: Decimals	
	Assignments	
	1. Comparing and Ordering Decimals	5. Fractions as Decimals
	2. Rounding and Estimating Decimals	6. Using Decimals
	3. Adding and Subtracting Decimals	7. Scientific Notation
	4. Multiplying and Dividing Decimals	8. The Metric System
Mathematics 700 Resources	Unit 4: Patterns and Equations	
	Assignments	
	1. Adding and Subtracting Algebraic Expressions	5. Translating Word Sentences
	2. Expanding and Factoring Algebraic Expressions	6. Solving Equations Using Addition and Subtraction
	3. Identifying Functions	7. Solving Equations Using Multiplication and Division
	4. Identifying Function Rules	
Mathematics 700 Resources	Unit 5: Ratios and Proportions	
	Assignments	
	1. Ratios	5. Converting between Fractions, Decimals and Percents
	2. Rates	6. Solving Percent Problems Using Proportions
	3. Proportions	7. Solving Percent Problems Using Equations
	4. Similarity	

Mathematics 700 Resources	Unit 6: Probability and Graphing	
	Assignments	
	- Theoretical Probability - Experimental Probability - Sample Space - Independent and Dependent Events	- Graphing Linear Equations - Slope - Direct Variation

Mathematics 700 Resources	Unit 7: Data Analysis	
	Assignments	
	- Theoretical Probability - Experimental Probability - Sample Space - Independent and Dependent Events	- Graphing Linear Equations - Slope - Direct Variation

Mathematics 700 Resources	Unit 8: Geometry	
	Assignments	
	- Special Pairs of Angles - Polygons - Triangles - Quadrilaterals	- Symmetry - Reflections - Translations

Mathematics 700 Resources	Unit 9: Measurement and Area	
	Assignments	
	- Perimeter - Circumference - Area of a Parallelogram - Area of Triangles and Trapezoids	- Area of Circles - Area of Composite Figures - Square and Square Roots

Mathematics 700 Resources	Unit 10: Surface Area and Volume	
	Assignments	
	- Surface Area and Volume - Surface Area Rectangular Prisms - Volume of Rectangular Prisms - Surface Area and Volume	- Volume of Triangular Prisms - Surface Area of Cylinders - Volume of Cylinders