

**REDBANK VALLEY SCHOOL DISTRICT  
MATHEMATICS CURRICULUM MAP**

**PRE-ALGEBRA GRADES 9-12**

CHAPTER	1	2	3	4	4	5	6	6 & 7	7&8
TOPICS	SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	APRIL	MAY
<b>Numbers, Number Systems &amp; Number Relationships</b>	Order of Operations Integers & Absolute Value	Properties of Numbers	Place Value	Divisibility & Factors; Prime Factorization & Greatest Common Factor	Simplifying Fractions; Rational Numbers	Comparing and Ordering Fractions and Decimals	Unit Rates; Proportions; Fractions; Decimals; Percents	Finding Percents	
<b>Computation &amp; Estimation</b>	(+, -, x, ÷) Integers		Rounding and Estimating	Exponents	Properties of Exponents; Scientific Notation	Operations with Fractions; Powers of Products/ Quotients		Percent of Change, Markup and Discount	Simple and Compound Interest
<b>Measurement &amp; Estimation</b>			Metric System (Conversions and Forms)			Customary Units of Measurement			
<b>Mathematical Reasoning &amp; Connections</b>	Inductive Reasoning - Looking for a Pattern								
<b>Mathematical Problem Solving &amp; Communication</b>					Accounting for all Possibilities	Work Backwards		Make a Table; Write an Equation	

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<b>Statistics &amp; Data Analysis</b>			Mean, Median, and Mode						
<b>Probability &amp; Predictions</b>							Probability		
<b>Algebra &amp; Functions</b>	Evaluating Expressions; Graphing on the Coordinate Plane	Simple Variable Expressions; Distributive Property; Solving Equations; Solving Inequalities	Solving One-Step Equations with Decimals					Multi-Step Equations	Equations with Variables on Both Sides; Two Variable Equations; Two-Step Inequalities; Transforming Formulas; Slope and Y-Intercept
<b>Geometry</b>			Using Formulas				Similar Figures and Scale Drawings		
<b>Trigonometry</b>									
<b>Concepts of Calculus</b>									