

# MATH CURRICULUM SCOPE AND SEQUENCE 2016-2017

Grade	Pacing												
	Sept	Oct	Nov	Dec	Jan	Feb	March	April	May	June			
<b>K</b>	Counting & Matching Numerals 1-5	Counting & Matching Numerals 6-10	Counting & Matching Numerals 11-20	Fluency with Addition and Subtraction within 5	Exploring Addition and Subtraction within 10	Teen Numbers (11-19) & Counting to 100	Work with 2D and 3D Shapes; Measurement by Direct Comparison	Post-Assessment Probe					
<b>1</b>	Add and Subtract within 20		Word Problems		Measurement	Counting and Place Value		Exploring Addition and Subtraction within 100		Geometry			
<b>2</b>	Establishing Routines and Fact Strategies to 20		Place Value to 1000		Exploring Addition and Subtraction		Money	Telling Time	Linear Measurement & Data	Geometry	Partitioning and Arrays		
<b>3</b>	Understanding Multiplication and Division		Connecting/Using Multiplication and Division		Computing with Whole Numbers		Exploring Measurement and Data		Understanding Area and Perimeter		Reasoning About 2D Shapes	Understanding Fractions	
<b>4</b>	Place Value: Multidigit Addition and Subtraction		Problem Solving with Multiplication		Problem Solving with Division		Fractions and Decimals		Problem Solving with Computation of Fractions		Problem Solving with Measurement		Geometric Measurement and Classification
<b>5</b>	Understanding Place Value		Computing with Whole Numbers and Decimals		Convert Like Measurement Units Within a Given Measurement System		Adding and Subtracting Fractions		Making Sense of Multiplication of Fractions		<i>Understanding Division of a Unit Fraction and a Whole Number</i>	Classifying 2-Dimensional Figures	Algebraic Connections
<b>6</b>	Using Expressions Part 1	Using Expressions Part 2	Operating with Positive Rational Numbers		Understanding Positive and Negative Numbers		Applications of Geometry	Ratios and Rates		Algebraic Reasoning		Stats and Distribution	
<b>7</b>	Operating with Rational Numbers	Operating with Rational Numbers	Expressions and Equations		Inequalities		Ratios, Proportions, and Percent's		2-Dim. Geometry	3-Dim. Geometry	Inferences about Populations	Probability	

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<b>8</b>	Real Numbers		2 & 3 Dimensional Geometry	Congruence and Similarity		Solving Equations	Slope and Rate of Change	Graphing Equations	Systems of Linear Relationships		Patterns in Data	
<b>Algebra I</b>	Linear Equations and Inequalities		Functions		Linear Functions		Statistics and Data		Systems of Linear Equations	Factor and Solve Quadratic Equations	Graph and Solve Quadratic Equations	Exponential Functions
<b>Algebra II</b>	Linear Systems and Inequalities	Transforming Quadratic Functions	Quadratic Equations and Complex Numbers	Polynomials Functions			Rational Exponents and Radical Function		Exponential and Logarithmic Functions		Rational Expressions and Functions	
<b>Geo</b>	Transforming & the Coordinate Plane		Congruence, Proof, and Constructions		Polygons		Similarity, Proof, and Trigonometry		Circles and other Conic Sections	Extend to Three Dimensions		Applications of Probability
<b>Pre-Calculus</b>	Rational Functions, Exponential, and Log Functions		Trigonometric Functions		Analytic Trig			Matrices and Systems of Equations		Conic Sections, Parametric Equations, Polar Coordinates and Complex Numbers		