

Scope and Sequence

Unit 1	Expressions	Unit 7	Exponents
	Rational and irrational numbers		add, subtract, divide and Multiply exponents
	Simplify like terms		Fraction exponents - Square root, etc.
	Evaluating Expressions/substitute		zero power
	math in words		simplify radicals
	Writing expressions		
		Unit 8	Exponential
Unit 2	Equations and Functions intro		Exponential Functions
	Writing equations		Growth and Decay
	writing inequalities		Exponential regression
	Function notation		Graph square roots and cube roots
	Modeling Functions		
	ratios and proportions	Unit 9	Complex functions and Absolute Value
			Complex Functions Fog
Unit 3	Linear Equations with 1 and 2 variables		$f(x)$ = absolute value graph
	Solving linear Equations		Shifts
	Solving inequalities		Solving absolute value and inequalities
	Word problems		
	Conversion of units	Unit 10	Quadratic Equations Part I
			Graphing
Unit 4	Linear Equations with 2 variables - graphing		Shifts
	Solving linear Equations		Roots and all parts of the graph
	Graphing		Foiling
	Solving inequalities		multiplying binomials
	parallel and perpendicular lines		
	slope/formula	Unit 11	Quadratic Equations Part II
	$y = mx + b$		Factoring Methods (listed below)
	$ax + by = c$ - standard form		vertex formula
			magic square method
Unit 5	Different Graphs		quadratic formula
	Line of best fit		completing the square
	Scatterplots		inequalities
	Correlation		
	Writing linear functions from lines	Unit 12	Statistics
	residuals		Measure of center and spread
			data distribution with outliers
Unit 6	Systems of equations		different graphs dot, box, histogram etc.
	Solve by graphing		probability
	Elimination		
	Substitution		
	inequalities		