Basic Algebra II	Scope and Sequence
Unit Lesson	**Objectives**
Foundations of Algebra	
Understanding Expressions	
	Write and evaluate numerical expressions.
	Identify the parts of an algebraic expression.
Writing and Evaluating Expressions	
	Write expressions to represent real-world situations.
	Evaluate expressions for real-world situations.
Adding and Subtracting Expressions	
	Add algebraic expressions and use them to model real-world scenarios.
	Subtract algebraic expressions and use them to model real-world scenarios.
Expanding Expressions	
	Use the distributive property to expand and simplify algebraic expressions.
	Identify equivalent expressions.
Factoring Expressions	
	Find the greatest common factor of an algebraic expression.
	Rewrite algebraic expressions by factoring.
Unit Test	
Linear Equations and Inequalities	
Writing Equations	
	Write equations from words.
	Write equations to represent real-world situations.
Addition and Subtraction Equations	

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Unit	**Lesson**	**Objectives**
		Solve one-step addition and subtraction equations.
		Solve one-step addition and subtraction equations in the real world and interpret the results.
	Multiplication and Division Equations	
		Solve one-step multiplication and division equations.
		Write and solve one-step multiplication and division equations in the real world and interpret the results.
	Solving Two-Step Equations	
		Solve two-step equations.
		Solve two-step equations in the real world and interpret the results.
	Combining Like Terms to Solve Equations	
		Identify and combine like terms to solve one-variable linear equations.
		Determine and apply properties of equality when solving an equation.
	Solving with the Distributive Property	
		Solve one-variable linear equations using the distributive property.
		Justify the steps taken to solve one-variable linear equations involving the distributive property.
	Writing Inequalities	
		Write an inequality to represent a constraint or condition in a real-world or mathematical problem.
		Describe the set of numbers that make the inequality true.
		Write real-world scenarios given one-step inequalities.
	Graphing Inequalities on a Number Line	
		Recognize that inequalities of the form $x > c$ or $x < c$ have infinitely many solutions.
		Graph solutions of one-step inequalities on number line diagrams.
	Model and Solve One-Variable Inequalities	

Basic Algebra II		Scope and Sequence
Unit	**Lesson**	**Objectives**
		Model real-world and geometric problems using one-step inequalities.
		Solve real-world and geometric problems using one-step inequalities.
	Unit Test	
Graphing and Functions		
	Introduction to Functions	
		Identify functions from tables, graphs, and equations.
		Determine if a real-world situation describes a functional relationship.
	Linear vs. Nonlinear Functions	
		Interpret the rate of change from a graph or table.
		Differentiate functions as either linear or nonlinear.
	Constructing Linear Functions	
		Analyze linear functions to find the rate of change and initial value.
		Interpret the rate of change and initial value of a linear function in terms of the situation it models.
	Rate of Change and Introduction to Slope	
		Determine the positive slope of a line from a table and a graph.
		Compare positive slopes in a real-world situation.
	Slope-Intercept Form	
		Analyze a graph to determine slope and y-intercept.
		Graph a linear function using the slope and y-intercept.
		Write a linear equation in slope-intercept form given the slope and y-intercept.
	Unit Test	
Systems of Equations		

Basic Algebra II		Scope and Sequence
Unit	**Lesson**	**Objectives**
	Using Graphs to Determine the Number of Solutions	
		Determine the number of solutions of a system of linear equations from a graph or by inspection.
		Create a system of linear equations that has no solution, one solution, or infinitely many solutions.
	Using Graphs to Solve Systems	
		Rewrite a system of linear equations in slope-intercept form.
		Graph linear systems on the coordinate plane.
		Determine the solution of a linear system from the graph.
	Writing and Solving Systems	
		Create systems of equations from mathematical problems.
		Solve systems of two linear equations.
	Solving Systems by Guess and Check	
		Use guess and check techniques to solve systems of two linear equations.
	Using Substitution to Solve Systems	
		Use substitution to solve a linear system.
	Using Addition to Solve Systems	
		Use the linear combination method to solve linear systems.
	Unit Test	
Cumulative Exam		
	Cumulative Exam Review	
	Cumulative Exam	