TX-Algebra Readiness	Scope and Sequence
Unit Lesson	**Objectives**
Functions and Bivariate Data	
Tables, Graphs, and Equations	
	Translate tables and graphs into equations.
	Generate different representations of the same two-variable data.
	Recognize that tabular and graphical representations may be partial representations.
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.
Exploring Slope	
	Recognize the difference between positive slope, negative slope, no slope, and zero slope.
	Determine the value of the slope of a line from a table or a graph.
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.
Graphing in a Variety of Contexts	
	Construct and analyze graphs given two components of a linear function.
	Estimate y-intercepts on a graph.
Writing Linear Functions	

TX-Algebra Readiness		Scope and Sequence
Unit	**Lesson**	**Objectives**
		Write a linear equation in slope-intercept form given the slope and a point other than the y-intercept.
		Compare and contrast using point-slope form and the slope-intercept form to get an equation to slope-intercept form.
	Constructing Scatterplots	
		Create a scatterplot using a table of values.
		Analyze a scatterplot.
		Classify dependent and independent variables.
	Drawing Trend Lines	
		Use a graphing calculator to graph scatterplots and draw the trend line.
		Draw a line of best fit in scatterplots and identify its purpose.
	Using Equations to Represent Trend Lines	
		Find and interpret the slope of a trend line.
		Create the linear equation of the trend line.
	Unit Test	
Linear Equations and Systems of Linear Equations		
	Solving Equations with Rational Numbers	
		Identify the least common denominator of fractions to combine like terms and solve equations.
		Solve one-variable linear equations with rational numbers using properties of equality.
	Solving with Variables on Both Sides	
		Determine and apply the steps needed to isolate a variable in a linear equation with variables on both sides.
		Solve equations with variables on both sides and verify the solutions.
	Solving Multistep Equations with Variables on Both Sides	

TX-Algebra Readiness		Scope and Sequence
Unit	**Lesson**	**Objectives**
		Build a process for solving multistep linear equations with variables on both sides.
		Solve multistep linear equations with variables on both sides and verify the solutions.
	Analyzing Solutions	
		Solve equations that have one solution, infinitely many solutions, and no solution.
		Identify equations that have one solution, infinitely many solutions, and no solution.
		Write equations that have infinitely many solutions and no solution.
	Exploring Systems of Linear Equations	
		Determine if a given coordinate point is a solution to a system of linear equations.
		Identify the unique solution of a system of two linear equations from a graph.
	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.
	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.
	Multiplying One Equation to Solve Systems	
		Solve a system using the linear combination method after multiplying one equation.

TX-Algebra Readiness		Scope and Sequence
Unit	**Lesson**	**Objectives**
		Write equations of a linear system in standard form from a real-world scenario.
	Unit Test	
Cumulative Exam		
	Cumulative Exam Review	
	Cumulative Exam	