Revised TEKS (2012): Building to Algebra I Linear Functions, Equations, and Inequalities – A Vertical Look at Key Concepts and Procedures

Algebra II	Algebra I	Grade 8	Grade 7	Grade 6
Use regression methods available through techno... functio... of data. Predict... decisio... judgme... set of data.	Write with and without technology, linear functions ...able fit to ...tions and	Contrast line... of data with bivariate set... graphical rep... Use a trend... bivariate sets... predictions. Construct scatterplots and describe association between bivariate data as linear, non-linear, or no association.		
Formulate absolute value linear equations. Formulate rational equations.	Write linear equations in two variables in various forms given one point and the slope and given two points, including equations of a line that are parallel or perpendicular to a given line.	Write one-variable equations or inequalities with variables on both sides that represent problems.	Write one-variable, two-step equations and inequalities to represent problems.	Write one-variable, one-step equations and inequalities to represent problems.
	Write linear equations in two var... rep...	Write an equation in the form ... $mx + b$ to model a linear ...ationship between two ...antities using multiple ...resentations. ...tinguish between ...portional and non-proportional situations using multiple representations.	...at ...onship ...t and ...s from a ...n using ...tions.	
Formulate and solve equations involving inverse variation.	Write and solve equations involving direct variation.	Solve problems involving direct variation.	Solve problems involving ratios, rates, and percents. Solve problems with similarity.	Solve problems with percents. Solve prediction and comparison problems, including contexts with probability and statistics.

The Revised TEKS (2012) are the student expectations adopted in 2012 that are scheduled to be implemented in 2015-16.

Grade levels for the concepts and procedures are identified in column headings for each set of key concepts and procedures.

The strand from the revised TEKS is found at the top of the section.

The statements are summaries of the student expectations that build up to each key concept and procedure. Not all student expectations for all grade levels are represented.

Key concepts and procedures for the identified grade level are in the shaded column.