

Days	TAKS Objective	TEKS: Student Expectation	Instructional Considerations	Prentice Hall	Supplemental Activities	Performance Benchmark Assessments	A&M Curriculum
4	1,2	<p>A1A describe independent and dependent quantities in functional relationships</p> <p>A1B gather and record data and use data sets to determine functional relationships between quantities;</p> <p>A1E interpret and make decisions, predictions, and critical judgments from functional relationships</p> <p>A2B identify mathematical domains and ranges and determine reasonable domain and range values for given situations, both continuous and discrete;</p> <p>A2C interpret situations in terms of given graphs or creates situations that fit given graphs;s</p> <p>A2D collect and organize data, make and interpret scatterplots (including recognizing positive, negative, or no correlation for data approximating linear situations), and model, predict, and make decisions and critical judgments in problem situations.</p> <p>A3A use symbols to represent unknowns and variables</p> <p>A3B look for patterns and represent generalizations algebraically</p> <p>A5A determine whether or not given situations can be represented by linear functions</p> <p>A5C translates among and uses algebraic, tabular, graphical, or verbal descriptions of linear functions</p> <p>A7A analyze situations involving linear functions and formulate linear equations or inequalities to solve problems</p>	<ul style="list-style-type: none"> • Create scatterplots • Students must actively collect data, as well as use data sets • Scatterplots should be linear, and non-linear • Determine mean, median, mode, range from application problems • Students should be able to find multiple measures of central tendency from the same set of data. 	<i>Ch 2-1, 1-1</i>	<ul style="list-style-type: none"> • Height vs Arm Span • Height vs Birth Date • Lickety-Split Jalopies • M&M Activity • 9th TAKS Prep Data Representation p. 358-360 	Vacation Mileage	

2	1,2	<p>A1A describe independent and dependent quantities in functional relationships</p> <p>A1B gather and record data and use data sets to determine functional relationships between quantities;</p> <p>A1E interpret and make decisions, predictions, and critical judgments from functional relationships.</p> <p>A2B identify mathematical domains and ranges and determine reasonable domain and range values for given situations, both continuous and discrete;</p> <p>A2C interpret situations in terms of given graphs or creates situations that fit given graphs;s</p> <p>A2D collect and organize data, make and interpret scatterplots (including recognizing positive, negative, or no correlation for data approximating linear situations), and model, predict, and make decisions and critical judgments in problem situations.</p> <p>A3A use symbols to represent unknowns and variables</p>	<ul style="list-style-type: none"> • Relate graphs to events • Create graphs that fit situations • Students must be able to justify / explain graphs in relation to situation • Incorporate dependent, independent, domain, and range as working vocabulary 	Ch 2-2	<ul style="list-style-type: none"> • * Bathing the Dog • 600-Meter Race • Create a Situation; • CBR Activities; • Incessantly Independent and Decisively Dependent • Moving On Down the Line • 9th TAKS Prep Input/Output Lesson p.30-33 • Klein Unit 2 Soda Pop Activity • Klein Unit 2 Identify Quad. Graphs • Klein Unit 2 Match the Graphs 		F Unit 5
14	1,2,3	<p>A3B given situations, looks for patterns and represents generalizations algebraically</p> <p>A5A determine whether or not given situations can be represented by linear functions</p> <p>A5C translates among and uses algebraic, tabular, graphical, or verbal descriptions of linear functions</p> <p>A7A analyze situations involving linear functions and formulate linear equations or inequalities to solve problems</p>	<ul style="list-style-type: none"> • Patterns: Students must use manipulatives to build patterns, use tables and determine the pattern rule • Writing Function Rules 	Ch 2-3 to Ch 2-6	<ul style="list-style-type: none"> • *Identifying Patterns • * Finite Differences • *Mosaics • Stacking Cups • 9th TAKS Prep Patterns and Functional Relationships p.45-50 • Klein Unit 3 Finding Function Rule 	Freight Train	F 6-1 F6-2 F6-3

7	1,2,3,4	<p>A1B gathers and records data, or uses data sets, to determine functional (systematic) relationships between quantities</p> <p>A1E interpret and make decisions, predictions, and critical judgments from functional relationships.</p> <p>A3A use symbols to represent unknowns and variables</p> <p>A3B given situations, looks for patterns and represents generalizations algebraically</p> <p>A5A determine whether or not given situations can be represented by linear functions</p> <p>A5C translates among and uses algebraic, tabular, graphical, or verbal descriptions of linear functions r verbal descriptions of linear functions</p> <p>A6B interpret the meaning of slope and intercepts in situations using data, symbolic representations, or graphs;</p> <p>A6C investigate, describe, and predict the effects of changes in m and b on the graph of $y = mx + b$;</p> <p>A6E determine the intercepts of the graphs of linear functions and zeros of linear functions from graphs, tables, and algebraic representations;</p> <p>A6F interpret and predict the effects of changing slope and y-intercept in applied situations;</p> <p>A7A analyze situations involving linear functions and formulate linear equations or inequalities to solve problems;</p>	<ul style="list-style-type: none"> • Discuss linear parent function • Explore the rate of change • Use the slope formula (alone and in applications) • Students must be able to explain what the slope means for given situations, and to determine slopes from tables, graphs, and algebraic representations <ul style="list-style-type: none"> • 4 Views of a Function (table, graph, words, symbols) • Students must be able to move among all 4 representations within the same problem. 	Ch 5-1, 5-2	<ul style="list-style-type: none"> • Exploring the concept of slope on a graphing calculator • Revisit Lickety-Split Jalopies • 9th TAKS Prep Slope Lesson p. 132 		F6-4 F6-5
2		Review CBA			<ul style="list-style-type: none"> • Finding Pairs • Hot Air Balloon • T-shirts • Making Pizzas, Making Money • CD's for the Band • 9th TAKS Prep Representation of Linear Functions p. 135-137, 140-150 • Klein Unit 1 Four Corners • Klein Unit 7 The Wedge 	<ul style="list-style-type: none"> • Drill team • Zoomatic Wireless • Theme Park • Marbles in the Cylinder • Vacationing in Colorado 	