Algebra 1 TEKS Dot Chart

Key: ◆ indicates standard fully covered within the lesson ◇ indicates standard partially covered within the lesson

Lesson #	Lesson Name	KSS 1							KSS 2									KSS 3									KSS 4			KSS 5			KSS 6			KSS 7			KSS 8		KSS 9					KSS 10						KSS 11		KSS 12				
		A	B	C	D	E	F	G	A	B	C	D	E	F	G	H	I	A	B	C	D	E	F	G	H	A	B	C	A	B	C	A	B	C	A	B	C	A	B	A	B	C	D	E	A	B	C	D	E	F	A	B	A	B	C	D	E
Unit 1: Linear Equations																																																								
1.1	Exploring Expressions and Equations	◆									◆																																														
1.2	Writing Equations to Model Relationships, Part 1	◆									◇																																													
1.3	Writing Equations to Model Relationships, Part 2	◆		◆							◇																																													
1.4	Equations and Their Solutions	◆		◆							◇																																													
1.5	Equations and Their Graphs	◆		◆	◆						◇								◇																																					
1.6	Equivalent Equations		◆					◆																						◇																										
1.7	Explaining Steps for Rewriting Equations		◆		◆			◆																						◇																										
1.8	Choosing the Correct Variable to Solve For, Part 1							◆			◇																																													
1.9	Choosing the Correct Variable to Solve For, Part 2	◆						◆			◇																																													
1.10	Connecting Equations to Graphs, Part 1	◆			◆			◆			◇							◇		◇																																				
1.11	Connecting Equations to Graphs, Part 2						◆											◇		◆																																				
1.12	Writing the Equation of a Line						◆			◇	◆																																													
1.13	Lines from Tables and Graphs	◆			◆						◆																																													
1.14	Writing Equations of Parallel and Perpendicular Lines				◆					◇			◆	◆	◇			◇																																						
1.15	Direct Variation	◆									◇	◆																																												
Unit 2: Linear Inequalities and Systems																																																									
2.1	Writing and Graphing Systems of Linear Equations		◆														◇																																								
2.2	Writing Systems of Equations	◆		◆													◆						◆	◆																																
2.3	Solving Systems by Substitution	◆	◇	◆												◆	◇																																							
2.4	Solving Systems by Elimination, Part 1							◆																																															
2.5	Solving Systems by Elimination, Part 2	◆																																																					
2.6	Solving Systems by Elimination, Part 3		◆	◆																																																			
2.7	Systems of Linear Equations and Their Solutions	◆						◆																																															
2.8	Representing Situations with Inequalities							◆																							◆																										
2.9	Solutions to Inequalities	◆																													◆																										
2.10	Writing and Solving Inequalities in One Variable		◆	◆																											◆																										
2.11	Graphing Linear Inequalities in Two Variables	◆						◆																																																
2.12	Using Linear Inequalities as Constraints	◆														◇					◆																																						
2.13	Solving Problems with Inequalities in Two Variables			◆		◆	◆									◇																																								
2.14	Solutions to Systems of Linear Inequalities in Two Variables	◆		◆	◆			◆								◇									◆																																
2.15	Solving Problems with Systems of Linear Inequalities in Two Variables							◆								◇									◆																																
Unit 3: Two-Variable Statistics																																																									
3.1	Linear Models	◆		◆		◆																						◇																														
3.2	Fitting Lines	◆			◆			◆																				◇																														
3.3	Residuals	◆		◆			◆																					◇																														
3.4	The Correlation Coefficient				◆	◆	◆																				◇																														

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3.5	Using the Correlation Coefficient	◆		◆			◆																			◆		◇																														
3.6	Causal Relationships	◆						◆																			◆																														
Unit 4: Functions																																																										
4.1	Describing and Graphing Situations				◆																																																				
4.2	Function Notation	◆				◆																																																			
4.3	Interpreting & Using Function Notation				◆																																																			
4.4	Using Function Notation to Describe Rules, Part 1						◆																																																		
4.5	Using Function Notation to Describe Rules, Part 2						◆																																																		
4.6	Features of Graphs	◆			◆		◆	◆										◇		◇														◇																						
4.7	Finding Slope					◆				◆									◆																																						
4.8	Using Graphs to Find Average Rate of Change	◆					◆	◆											◇																																						
4.9	Interpreting and Creating Graphs	◆			◆	◆														◆														◆																						
4.10	Comparing Graphs			◆	◆		◆																																																		
4.11	Graphing a Function Using Transformations					◆	◆				◇											◇																																					
4.12	Domain and Range, Part 1			◆	◆		◆	◆	◇																																																
4.13	Domain and Range, Part 2	◆				◆		◆	◆																																																
4.14	Sequences	◆	◆		◆																																																		
4.15	Introducing Geometric Sequences				◆		◆																																																	
4.16	Different Types of Sequences						◆																																																
4.17	Sequences Are Functions						◆																																																
4.18	The nth Term of an Arithmetic Sequence		◆				◆																																																	
Unit 5: Introduction to Exponential Functions																																																							
5.1	Properties of Exponents							◆																																															
5.2	Rational Exponents						◆																																																
5.3	Patterns of Growth				◆		◆																																																
5.4	Representing Exponential Growth	◆			◆		◆																																																	
5.5	Representing Exponential Decay	◆					◆	◆																																																
5.6	Negative Exponents and Scientific Notation	◆				◆	◆																																																	
5.7	Analyzing Graphs	◆			◆		◆																																																
5.8	Exponential Situations as Functions					◆																																																
5.9	Interpreting Exponential Functions							◆																																															
5.10	Looking at Rates of Change	◆			◆			◆											◆																																						
5.11	Modeling Exponential Behavior		◆		◆	◆	◆																																																
5.12	Reasoning about Exponential Graphs, Part 1			◆		◆	◆																																																
5.13	Reasoning about Exponential Graphs, Part 2	◆																																																				
5.14	Which One Changes Faster?	◆	◆	◆			◆	◆											◆																																					
5.15	Changes over Equal Intervals					◆		◆											◆																																					
Unit 6: Working with Polynomials																																																						
6.1	Add and Subtract Polynomials							◆																																															
6.2	Multiplying Polynomials		◆																																																			
6.3	Dividing Polynomials						◆																																															

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6.4	Greatest Common Factor and Factor by Grouping						◆																																						◆												
6.5	Factor Trinomials			◆	◆		◆																																						◆												
6.6	Factor Special Products						◆																																						◆	◆											
6.7	General Strategy for Factoring Polynomials		◆				◆	◆																																					◆	◆	◆										
Unit 7: Introduction to Quadratic Functions																																																														
7.1	Patterns of Change	◆	◆	◆		◆																															◆																								
7.2	Introduction to Quadratic Relationships		◆				◆																															◆																								
7.3	Building Quadratic Functions from Geometric Patterns				◆	◆	◆	◆																									◆																								
7.4	Comparing Quadratic and Exponential Functions						◆	◆																																																							
7.5	Building Quadratic Functions to Describe Situations, Part 1	◆																																			◆																								
7.6	Building Quadratic Functions to Describe Situations, Part 2	◆					◆																												◇			◇																								
7.7	Domain, Range, Vertex, and Zeros of Quadratic Functions	◆		◆			◆																												◇			◇																								
7.8	Equivalent Quadratic Expressions			◆																																										◆												
7.9	Standard Form and Factored Form				◆																															◆											◇												
7.10	Graphs of Functions in Standard and Factored Forms		◆																																			◇																								
7.11	Graphing from the Factored Form				◆																																◇	◆																								
7.12	Graphing the Standard Form, Part 1					◆	◆																														◇	◆																								
7.13	Graphing the Standard Form, Part 2						◆																														◇	◇																								
7.14	Graphs That Represent Situations						◆																														◇																								
7.15	Vertex Form						◆	◆																														◇		◇																								
7.16	Graphing from the Vertex Form			◆		◆	◆																														◇																								
7.17	Changing the Vertex						◆	◆																												◇			◇		◇																								
Unit 8: Quadratic Equations																																																														
8.1	Finding Unknown Inputs	◆					◆																																	◆																								
8.2	When and Why Do We Write Quadratic Equations?	◆		◆																																				◇																								
8.3	Solving Quadratic Equations by Reasoning						◆																																	◇																								
8.4	Solving Quadratic Equations with the Zero Product Property	◆																																						◇																								
8.5	How Many Solutions?			◆	◆																																			◇																								
8.6	Rewriting Quadratic Expressions in Factored Form, Part 1						◆																																	◆																								
8.7	Rewriting Quadratic Expressions in Factored Form, Part 2						◆																																	◆																								
8.8	Rewriting Quadratic Expressions in Factored Form, Part 3						◆																																	◆																								
8.9	Solving Quadratic Equations by Using Factored Form		◆				◆	◆																																	◇																								
8.10	Rewriting Quadratic Expressions in Factored Form, Part 4	◆																																						◇																								
8.11	Writing Quadratic Equations Given Real Solutions						◆																														◆																								

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8.12	Using Technology to Find the Quadratic Regression	◆		◆																																			◆																		
Unit 9: More Quadratic Equations																																																										
9.1	What Are Perfect Squares?		◆		◆																																	◇										◆								
9.2	Completing the Square, Part 1			◆			◆																															◇																		
9.3	Completing the Square, Part 2							◆																														◇																		
9.4	Completing the Square, Part 3						◆																															◇																		
9.5	Quadratic Equations with Irrational Solutions				◆		◆																															◇																◇					
9.6	The Quadratic Formula							◆																														◇																◇					
9.7	Applying the Quadratic Formula		◆		◆		◆	◆																														◇																		
9.8	Deriving the Quadratic Formula		◆	◆			◆	◆																														◇																		
9.9	Writing Quadratics in Different Forms	◆			◆		◆	◆																												◇			◇																		
9.10	Rewriting Quadratic Expressions in Vertex Form						◆	◆																								◇																											
9.11	Using Quadratic Expressions in Vertex Form to Solve Problems	◆			◆		◆	◆																											◇			◇																		