English Language Proficiency Standards (ELPS) Algebra I Dot Chart

Lesson #	Lesson Name	ELPS 1: Learning Strategies								ELPS 2: Listening									ELPS 3: Speaking										ELPS 4: Reading											ELPS 5: Writing							
		A	B	C	D	E	F	G	H	A	B	C	D	E	F	G	H	I	A	B	C	D	E	F	G	H	I	J	A	B	C	D	E	F	G	H	I	J	K	A	B	C	D	E	F	G	H
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																																													

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		A	B	C	D	E	F	G	H	A	B	C	D	E	F	G	H	I	A	B	C	D	E	F	G	H	I	J	A	B	C	D	E	F	G	H	I	J	K	A	B	C	D	E	F	G	H
3.1	Linear Models					◆	◆								◆					◆																											
3.2	Fitting Lines														◆					◆				◆																								
3.3	Residuals					◆									◆					◆																								◆					
3.4	The Correlation Coefficient					◆									◆					◆			◆	◆																							
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														◆			◆															◆													

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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														◆							◆	◆																								
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?														◆					◆			◆	◆																								

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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														◆								◆	◆																						
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		◆							◆	◆								◆										◆											◆							