

Algebra I

Module	Lesson Title and Descriptor	TEKS	
1 Functional Relationships	Describing Independent and Dependent Quantities (verbal/symbolic)	A.1A	M1L1
	Writing Equations to Describe Functional Relationships (table → equation)	A.1B	M1L2
	Gathering Data and Determining Functional Relationships	A.1B	M1L2b
	Determining if a Relationship is a Functional Relationship (multiple representation)	A.1B	M1L3
	Writing Verbal Descriptions of Functional Relationships	A.1C	M1L3a
	Writing Equations to Describe Functional Relationships (verbal → equation)	A.1C	M1L4
	Writing Inequalities to Describe Relationships (verbal → symbolic)	A.1C	M1L5
	Writing Inequalities to Describe Relationships (graph → symbolic)	A.1D	M1L6
	Writing Inequalities to Describe Relationships (symbolic → graph)	A.1D	M1L7
	Connecting Multiple Representations of Functions	A.1D	M1L8
	Writing the Symbolic Representation of a function (graph → symbolic)	A.1D	M1L9
	Determining the Graphical Representation of a Function (symbolic → graph)	A.1D	M1L10
	Describing a Relationship (graph → verbal)	A.1E	M1L11
	Describing a Relationship (verbal → graph)	A.1E	M1L12
Interpreting Functional Relationships (verbal/symbolic descriptions)	A.1E	M1L13	
2 Properties and Attributes of Functions	Determining Parent Functions (verbal/graph)	A.2A	M2L1
	Determining Reasonable Domains and Ranges (verbal/graph)	A.2B	M2L2
	Interpreting Graphs	A.2C	M2L3
	Interpreting Scatterplots	A.2D	M2L4

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	Making Predictions and Critical Judgments (table/verbal)	A.2D	M2L5
	Collecting Data and Making Predictions	A.2D	M2L6
3 Algebraic Symbols and Symbolic Manipulation	Writing Expressions and Equations to Solve Problems (verbal/pictorial → symbolic)	A.3A	M3L1
	Writing Expressions to Model Patterns (table/pictorial → symbolic)	A.3B	M3L2
	Finding Specific Function Values (verbal/symbolic)	A.4A	M3L3
	Simplifying Polynomial Expressions (verbal/symbolic)	A.4A	M3L4
	Solving Equations and Inequalities	A.4A	M3L5
	Factoring to Solve Problems (verbal/symbolic)	A.4A	M3L6
	Simplifying Algebraic Expressions (symbolic)	A.4B	M3L7
	Connecting Function Notation and Equation Notation	A.4C	M3L8
4 Linear Functions	Determining Linear Functions (verbal → symbolic)	A.5A	M4L1
	Determining Linear Functions (symbolic → verbal)	A.5A	M4L2
	Determining the Domain and Range for Linear Functions	A.5B	M4L3
	Connecting Multiple Representations of Linear Functions	A.5C	M4L4
	Developing the Concept of Slope	A.6A	M4L5
	Determining Slope from Equations, Graphs, and Tables	A.6A	M4L6
	Determining the Meaning of Slope and Intercepts	A.6B	M4L7
	Analyzing the effects of the changes in m and b on the graph of $y = mx + b$	A.6C	M4L8
	Writing Equations of Lines	A.6D	M4L9

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	Determining Intercepts and Zeros of Linear Functions	A.6E	M4L10
	Predicting the Effects of Changing Slope and y-intercept in Problem Situations	A.6F	M4L11
	Direct Variation and Proportional Change	A.6C	M4L12
5 Linear Equations and Inequalities	Formulating Linear Equations Solve Problems	A.7A	M5L1
	Formulating Linear Inequalities to Solve Problems	A.7A	M5L2
	Investigating Methods for Solving Linear Equations and Inequalities	A.7B	M5L3
	Selecting a Method to Solve Equations or Inequalities	A.7B	M5L3b
	Solving Linear Equations and Inequalities	A.7B	M5L4
	Determining Reasonableness of Solutions (linear equations)	A.7C	M5L5
	Determining Reasonableness of Solutions (linear inequalities)	A.7C	M5L6
	Formulating Systems of Equations (verbal → symbolic)	A.8A	M5L7
	Solving Systems of Equations (concrete models)	A.8B	M5L8
	Solving Systems of Equations with Graphs	A.8B	M5L9
	Solving Systems of Equations with Tables	A.8B	M5L10
	Solving Systems of Equations with Algebraic Methods	A.8B	M5L11
	Determining Reasonableness of Solutions (system of equations)	A.9A	M5L12
6 Quadratic and Other Non- Linear Functions	Determining the Domain and Range for Quadratic Functions	A.9A	M6L1
	Determining the Domain and Range for Quadratic Functions (Restricted Domain/Range)	A.9A	M6L1a
	Analyzing the effects of the changes in a on the graph of $y = ax^2 + c$	A.9B	M6L2
	Analyzing the effects of the changes in c on the graph of $y = ax^2 + c$	A.9C	M6L3

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Module	Lesson Title and Descriptor	TEKS	
	Analyzing Graphs of Quadratic Functions	A.9D	M6L4
	Solving Quadratic Equations (concrete models)	A.10A	M6L5
	Solving Quadratic Equations (tables)	A.10A	M6L6
	Solving Quadratic Equations (graphs)	A.10A	M6L7
	Solving Quadratic Equations (algebraic methods)	A.10A	M6L8
	Quadratics: Connecting Roots, Zeros and x-intercepts	A.10B	M6L9
	Applying the Laws of Exponents (verbal/symbolic)	A.11A	M6L10
	Using the Laws of Exponents to Solve Problems	A.11A	M6L11
	Analyzing Situations Involving Inverse Variation (tables)	A.11B	M6L12
	Analyzing Situations Involving Inverse Variation (graphs)	A.11B	M6L13
	Analyzing Situations Involving Inverse Variation (algebraic methods)	A.11B	M6L14
	Analyzing Situations Involving Exponential Growth and Decay (tables)	A.11C	M6L16
	Analyzing Situations Involving Exponential Growth and Decay (graphs)	A.11C	M6L17
	Analyzing Situations Involving Exponential Growth and Decay (algebraic methods)	A.11C	M6L18