Getting Started

Video #	Title	Length
	Digital Toolbox Tour	9m 30s
1a	Before You Begin	3m 46s
1b	Before You Begin	3m 36s
2	The Student Experience	6m 12s
3	The Instructor Experience	6m 41s
4	Assessing Mastery	8m 07s

Unit 1

Section	Video #	Title	Length
Intro	i	Introduction	6m
Lesson 1			**Total Length: 01h 16m 34.59s**
	A	**Real Numbers**	
	A-1	Rational Numbers and Irrational Numbers	23m
	A-2	Classifying Real Numbers	17m
	B	**Algebraic Properties**	
	B-3	Commutative and Associative Properties	9m
	B-4	Inverse, Identity and Zero-Product Property	6m
	B-5	Distributive Property	5m
	B-6	Properties of Equality	11m
	CP1	Checkpoint: Rational and Irrational Numbers	3m
	CP2	Checkpoint: Classifying Real Numbers	2m
	CP3	Checkpoint: Commutative Property and Associative Property	2m
	CP4	Checkpoint: Inverse, Identity and Zero-Product Property	2m
	CP5	Checkpoint: Distributive Property	1m
	CP6	Checkpoint: Properties of Equality	2m
Lesson 2			**Total Length: 01h 07m 55.48s**
	A	**Multi-Step Equations**	
	A-1	Solving Multi-Step Equations	18m
	A-2	Variables on Both Sides of the Equation	7m
	A-3	Defining Variables in Word Problems	11m
	A-4	Solving Equations with More than One Variable	11m
	B	**Equations with Special Cases**	
	B-5	Rewriting Equations with Integer Coefficients	7m
	B-6	One Solution, No Solutions, or All Real Numbers	10m
	CP1	Checkpoint: Solving Multi-Step Equations	2m
	CP2	Checkpoint: Variables on Both Sides of the Equation	1m
	CP3	Checkpoint: Defining Variables in Word Problems	2m
	CP4	Checkpoint: Solving Equations with More than One Variable	2m
	CP5	Checkpoint: Rewriting Equations with Integer Coefficients	2m
	CP6	Checkpoint: One Solution, No Solutions, or All Real Numbers	1m
Lesson 3			**Total Length: 45m 40.24s**
	A	**Absolute Value Equations**	
	A-1	One- and Two-Step Absolute Value Equations	14m
	A-2	Graphing Solutions Using the Midpoint	6m
	A-3	Writing Absolute Value Equations	5m
	B	**Multi-Step Absolute Value Equations**	
	B-4	Multi-Step Absolute Value Equations	9m
	B-5	Absolute Value Equations With No Solution And Real Numbers	5m

Unit 1

Section	Video #	Title	Length
	CP1	Checkpoint: One- and Two-Step Absolute Value Equations	2m
	CP2	Checkpoint: Graphing Solutions Using the Midpoint	2m
	CP3	Checkpoint: Writing Absolute Value Equations	3m
	CP4	Checkpoint: Multi-Step Absolute Value Equations	3m
	CP5	Checkpoint: Absolute Value Equations With No Solution And Real Numbers	1m
Lesson 4			**Total Length: 51m 08.16s**
	A	**Single-Variable Inequalities**	
	A-1	Inequality Symbols and Wording	9m
	A-2	Solving Inequalities	5m
	A-3	Multiplying Inequalities by Negatives	6m
	B	**Compound Inequalities**	
	B-4	Compound Inequalities with Two Symbols	13m
	B-5	Absolute Value Inequalities	9m
	B-6	Absolute Value Inequalities with No Solution or All Real Numbers	5m
	CP1	Checkpoint: Inequality Symbols and Wording	2m
	CP2	Checkpoint: Solving Inequalities	1m
	CP3	Checkpoint: Multiplying Inequalities by Negatives	2m
	CP4	Checkpoint: Compound Inequalities with Two Symbols	2m
	CP5	Checkpoint: Absolute Value Inequalities	3m
	CP6	Checkpoint: Absolute Value Inequalities with No Solution or All Real Numbers	2m
Lesson 5			**Total Length: 32m 14.21s**
	A	**Ratios and Proportions**	
	A-1	Equivalent Ratios	5m
	A-2	Solving Proportions	4m
	B	**Unit Conversions**	
	B-3	Single Unit Conversions	9m
	B-4	Multiple Unit Conversions	6m
	B-5	Compound Unit Conversions	4m
	CP1	Checkpoint: Equivalent Ratios	2m
	CP2	Checkpoint: Solving Proportions	1m
	CP3	Checkpoint: Single Unit Conversions	1m
	CP4	Checkpoint: Multiple Unit Conversions	2m
	CP5	Checkpoint: Compound Unit Conversions	3m
Lesson 6			**Total Length: 01h 43m 54.32s**
	A	**Data Calculations**	
	A-1	Measures of Center	12m
	A-2	Measures of Spread	12m
	A-3	Box Plots	14m
	A-4	Dot Plots and Bar Graphs	8m

Unit 1

Section	Video #	Title	Length
	A-5	Histograms	8m
	B	**Interpreting Data**	
	B-6	The Shape of Data Sets	5m
	B-7	Standard Deviation	16m
	B-8	Outliers	10m
	B-9	Comparing Data Sets	8m
	CP1	Checkpoint: Measures of Center	2m
	CP2	Checkpoint: Measures of Spread	3m
	CP3	Checkpoint 3	2m
	CP4	Checkpoint 4	3m
	CP5	Checkpoint 5	2m
	CP6	Checkpoint 6	2m
	CP7	Checkpoint 7	2m
	CP8	Checkpoint 8	3m
	CP9	Checkpoint 9	3m

Unit 2

Section	Video #	Title	Length
Lesson 7			**Total Length: 01h 03m 14.71s**
	A	**Relations and Functions**	
	A-1	The Coordinate Plane	11m
	A-2	Relations	7m
	A-3	Functions	11m
	A-4	The Vertical Line Test	7m
	B	**Understanding Functions**	
	B-5	Function Notation	5m
	B-6	Independent And Dependent Variables	9m
	B-7	Using A Function Rule	9m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	1m
	CP3	Checkpoint 3	2m
	CP4	Checkpoint 4	2m
	CP5	Checkpoint 5	1m
	CP6	Checkpoint 6	2m
	CP7	Checkpoint 7	2m
Lesson 8			**Total Length: 48m 41.63s**
	A	**Intercepts And Slope From A Graph**	
	A-1	The Intercepts	12m
	A-2	Slope	15m
	A-3	Graphing from the Slope and a Point	4m
	B	**Translating The Linear Parent Function**	
	B-4	Representing the Linear Parent Function	7m
	B-5	Translations of the Linear Parent Function	8m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	1m
	CP3	Checkpoint 3	1m
	CP4	Checkpoint 4	1m
	CP5	Checkpoint 5	2m
Lesson 9			**Total Length: 58m 04.45s**
	A	**Slope and Graphed Scenarios**	
	A-1	Calculating Slope	15m
	A-2	Rate of Change	9m
	A-3	Describing and Sketching Graphs	11m
	B	**Point-Slope Form and Slope-Intercept Form**	
	B-4	Point-Slope Form	8m
	B-5	Point-Slope Form from Context	3m

Unit 2

Section	Video #	Title	Length
	B-6	Slope-Intercept Form	4m
	B-7	Slope-Intercept Form from a Graph	3m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	2m
	CP3	Checkpoint 3	3m
	CP4	Checkpoint 4	1m
	CP5	Checkpoint 5	2m
	CP6	Checkpoint 6	2m
	CP7	Checkpoint 7	1m
Lesson 10			**Total Length: 38m 09.31s**
	A	**Writing Equations in Slope-Intercept Form**	
	A-1	Slope-Intercept Form Given Slope and a Point	7m
	A-2	Slope-Intercept Form Given Two Points	7m
	B	**Applications of Linear Equations**	
	B-3	Applications of Linear Equations	19m
	CP1	Checkpoint 1	1m
	CP2	Checkpoint 2	2m
	CP3	Checkpoint 3	6m
Lesson 11			**Total Length: 47m 34.28s**
	A	**Standard Form**	
	A-1	Graphing an Equation in Standard Form	10m
	A-2	Writing an Equation in Standard Form	6m
	A-3	Comparing Forms of Linear Equations	11m
	B	**Horizontal and Vertical Lines**	
	B-4	Horizontal Lines	8m
	B-5	Vertical Lines	2m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	1m
	CP3	Checkpoint 3	2m
	CP4	Checkpoint 4	1m
	CP5	Checkpoint 5	10m
Lesson 12			**Total Length: 01h 01m 44.47s**
	A	**Parallel Lines**	
	A-1	Parallel Lines	10m
	A-2	Parallel Lines from Equations	11m
	A-3	Parallel Lines through a Point	8m
	B	**Perpendicular Lines**	
	B-4	Perpendicular Lines	9m

Unit 2

Section	Video #	Title	Length
	B-5	Perpendicular Lines from Equations	7m
	B-6	Perpendicular Lines through a Point	5m
	B-7	Special Perpendicular Lines	6m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	2m
	CP3	Checkpoint 3	1m
	CP4	Checkpoint 4	2m
	CP5	Checkpoint 5	2m
	CP6	Checkpoint 6	2m
	CP7	Checkpoint 7	1m
Lesson 13			**Total Length: 52m 11.91s**
	A	**Correlation and Scatter Plots**	
	A-1	Linear Correlations	15m
	A-2	Graphing Scatter Plots	6m
	B	**Calculating the Line of Best Fit**	
	B-3	Calculating the Line of Best Fit	16m
	B-4	Drawing Conclusions Using the Trend Line	8m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	2m
	CP3	Checkpoint 3	3m
	CP4	Checkpoint 4	3m
Lesson 14			**Total Length: 58m 39.50s**
	A	**Continuous and Discreet Functions**	
	A-1	Interval Notation	15m
	A-2	Continuous or Discrete Functions	15m
	A-3	Functions in Various Form	8m
	B	**Arithmetic Sequences**	15m
	B-4	Arithmetic Sequences	
	CP1	Checkpoint 1	3m
	CP2	Checkpoint 2	1m
	CP3	Checkpoint 3	3m
	CP4	Checkpoint 4	2m

Unit 3

Section	Video #	Title	Length
Lesson 15			**Total Length: 01h 06m 40.41s**
	A	**Graphing Systems of Equations**	
	A-1	Systems and Their Solutions	15m
	A-2	Systems of Equations in Slope-Intercept Form	6m
	A-3	Systems in a Variety of Forms	10m
	B	**Graphing Systems of Inequalities**	
	B-4	Solutions to Linear Inequalities	11m
	B-5	Graphing Linear Inequalities	7m
	B-6	Graphing Systems of Linear Inequalities	10m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	2m
	CP3	Checkpoint 3	2m
	CP4	Checkpoint 4	2m
	CP5	Checkpoint 5	3m
	CP6	Checkpoint 6	3m
Lesson 16			**Total Length: 50m 55.44s**
	A	**Solving Systems Using Substitution**	
	A-1	Substitution when Both Equations Have an Isolated Variable	10m
	A-2	Substitution: One Variable Isolated	5m
	A-3	Substitution: No Variables Isolated	8m
	B	**Solving Systems Using Elimination**	
	B-4	Elimination: Opposite Coefficients	6m
	B-5	Elimination: Multiplying by –1	6m
	B-6	Elimination: Linear Combinations	7m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	3m
	CP3	Checkpoint 3	2m
	CP4	Checkpoint 4	2m
	CP5	Checkpoint 5	2m
	CP6	Checkpoint 6	3m
Lesson 17			**Total Length: 37m 39.78s**
	A	**Efficiently Solving Systems**	
	A-1	Efficiently Solving Systems	7m
	A-2	Extending Solutions	4m
	B	**Applications of Linear Systems**	
	B-3	How Much or How Many	4m
	B-4	Coins	4m
	B-5	Wind and Water	13m

Unit 3

Section	Video #	Title	Length
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	2m
	CP3	Checkpoint 3	3m
	CP4	Checkpoint 4	3m
	CP5	Checkpoint 5	1m
Lesson 18			**Total Length: 46m 06.47s**
	A	**More Applications of Linear Systems**	
	A-1	Geometry Formulas	10m
	A-2	Break-Even Problems	10m
	A-3	Digit Problems	6m
	B	**Applications of Linear Inequalities**	
	B-4	Writing a Linear Inequality in One Variable	8m
	B-5	Writing Systems of Inequalities	8m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	1m
	CP3	Checkpoint 3	2m
	CP4	Checkpoint 4	1m
	CP5	Checkpoint 5	3m

Unit 4

Section	Video #	Title	Length
Lesson 19			**Total Length: 45m 06.69s**
	A	**Product and Power Rules for Exponents**	
	A-1	Product of Powers	16m
	A-2	Power Rules for Exponents	10m
	B	**Applications of Exponent Rules 1-3**	
	B-3	More Than One Exponent Rule	9m
	B-4	Formulas With Exponents	6m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	3m
	CP3	Checkpoint 3	2m
	CP4	Checkpoint 4	2m
Lesson 20			**Total Length: 01h 21m 57.82s**
	A	**Simplifying and Classifying Polynomials**	
	A-1	Classifying Polynomials in Standard Form	13m
	A-2	The Sum or Difference of Polynomial Expressions	13m
	A-3	Solving for an Unknown Coefficient	5m
	B	**Products of Polynomials**	
	B-4	Multiplying Monomials	8m
	B-5	Multiplying Binomials 1	10m
	B-6	Multiplying Binomials 2	6m
	B-7	Multiplying Binomials and Trinomials	8m
	B-8	Multiplying Trinomials	6m
	B-9	Solving for an Unknown Coefficient When Multiplying	10m
	CP1	Checkpoint 1	1m
	CP2	Checkpoint 2	1m
	CP3	Checkpoint 3	2m
	CP4	Checkpoint 4	1m
	CP5	Checkpoint 5	1m
	CP6	Checkpoint 6	1m
	CP7	Checkpoint 7	2m
	CP8	Checkpoint 8	2m
	CP9	Checkpoint 9	1m
Lesson 21			**Total Length: 42m 31.95s**
	A	**Greatest Common Monomial Factors**	
	A-1	Greatest Common Monomial Factors	12m
	A-2	Factoring out the GCF	8m
	B	**Factoring By Grouping**	
	B-3	Finding a Common Monomial	8m

Unit 4

Section	Video #	Title	Length
	B-4	Factoring by Grouping	13m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	1m
	CP3	Checkpoint 3	1m
	CP4	Checkpoint 4	2m
Lesson 22			**Total Length: 51m 23.57s**
	A	**Patterns in Factoring**	
	A-1	Factors and Products	9m
	A-2	Sign Patterns in Polynomials	13m
	B	**Factoring Special Products**	
	B-3	Difference of Two Squares	16m
	B-4	Perfect Square Trinomials	11m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	2m
	CP3	Checkpoint 3	1m
	CP4	Checkpoint 4	2m
Lesson 23			**Total Length: 01h 05m 13.26s**
	A	**Factoring $x^2 + bx + c$**	
	A-1	Methods of Factoring - Modeling Factors	26m
	A-2	Factoring x^2 + bx + c by ac-Grouping	12m
	B	**Factoring $ax^2 + bx + c$**	
	B-3	Factoring Expressions When a ≠ 1	21m
	CP1	Checkpoint 1	3m
	CP2	Checkpoint 2	2m
	CP3	Checkpoint 3	3m
Lesson 24			**Total Length: 39m 06.03s**
	A	**Factoring Completely**	
	A-1	Factoring Completely	15m
	B	**Solving Polynomial Equations Equal to Zero**	
	B-2	The Zero-Product Property and Factoring	13m
	B-3	Solving Polynomial Equations Equal to Zero	9m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	1m
	CP3	Checkpoint 3	3m
Lesson 25			**Total Length: 48m 33.95s**
	A	**Solving Quadratic Equations Not Equal to Zero**	
	A-1	Quadratic Equations Not Equal to Zero	8m
	A-2	Extraneous Solutions	13m

Unit 4

Section	Video #	Title	Length
	B	**Quadratic Applications**	
	B-3	Writing Quadratic Equations Symbolically	12m
	B-4	Solving Quadratic Equation Word Problems	9m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	3m
	CP3	Checkpoint 3	2m
	CP4	Checkpoint 4	4m

Unit 5

Section	Video #	Title	Length
Lesson 26			**Total Length: 01h 11m 58.05s**
	A	**Graphing Quadratics**	
	A-1	Components of Parabolas	35m
	A-2	Graphing Parabolas	17m
	B	**Graphical Solutions to Quadratic Functions**	
	B-3	Using Technology to Solve Quadratic Functions	7m
	B-4	Domain and Range of Quadratic Equations	7m
	CP1	Checkpoint 1	3m
	CP2	Checkpoint 2	3m
	CP3	Checkpoint 3	2m
	CP4	Checkpoint 4	1m
Lesson 27			**Total Length: 01h 12m 21.38s**
	A	**Quadratic Inequalities**	
	A-1	Quadratic Inequalities	18m
	A-2	Graphing Quadratic Inequalities	13m
	B	**Quadratics in Vertex Form**	
	B-3	Parabolas in Vertex Form	11m
	B-4	Vertical and Horizontal Translations of Parabolas	10m
	B-5	Reflections and Dilations of Parabolas	7m
	B-6	Combining Transformations of Parabolas	7m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	4m
	CP3	Checkpoint 3	1m
	CP4	Checkpoint 4	1m
	CP5	Checkpoint 5	1m
	CP6	Checkpoint 6	1m
Lesson 28			**Total Length: 42m 12.37s**
	A	**Negative Exponents and Zero Exponents**	
	A-1	Negative Exponents	9m
	A-2	Writing Expressions with Positive Exponents	7m
	B	**Quotient Rules for Exponents**	
	B-3	Distributing Exponents Across a Monomial Expression	7m
	B-4	Quotient Property for Exponents	11m
	B-5	Using All the Exponent Rules	5m
	CP1	Checkpoint 1	1m
	CP2	Checkpoint 2	2m
	CP3	Checkpoint 3	2m
	CP4	Checkpoint 4	1m

Unit 5

Section	Video #	Title	Length
	CP5	Checkpoint 5	3m
Lesson 29			**Total Length: 55m 56.44s**
	A	**Radical Expressions**	
	A-1	Radical Expressions Within Variables	22m
	A-2	Simplifying Radicals When the Index is 3	5m
	A-3	Addition and Subtraction of Radical Expressions	5m
	B	**Radical Equations**	
	B-4	Rational Exponent Equations with Monomials	8m
	B-5	Equations with Exponents	8m
	B-6	Equations with Radicals	4m
	CP1	Checkpoint 1	2m
	CP2	Checkpoint 2	2m
	CP3	Checkpoint 3	1m
	CP4	Checkpoint 4	2m
	CP5	Checkpoint 5	1m
	CP6	Checkpoint 6	2m
Lesson 30			**Total Length: 01h 07m 24.28s**
	A	**Modeling Exponential Functions**	
	A-1	Graphs of Exponential Functions	21m
	A-2	Domain and Range of Exponential Functions	11m
	A-3	Common Ratios for Exponential Functions	7m
	B	**The Growth / Decay Formula**	
	B-4	Components of the Growth/Decay Formula	13m
	B-5	Solving with the Growth/Decay Formula	9m
	CP1	Checkpoint 1	3m
	CP2	Checkpoint 2	2m
	CP3	Checkpoint 3	2m
	CP4	Checkpoint 4	2m
	CP5	Checkpoint 5	2m