"Reveal Math™ Table of Contents Course at a Glance - ALGEBRA 2"

Module 1 Relations and Functions		
1-1	Functions and Continuity Explore: Vertical and Horizontal Line Tests	
1-2	Linearity, Intercepts, and Symmetry Explore: Symmetry and Functions	
1-3	Extrema and End Behavior Explore: End Behavior of Linear and Quadratic Functions	
1-4	Sketching Graphs and Comparing Functions Explore: Using Technology to Examine Key Features of Graphs	
1-5	Graphing Linear Functions and Inequalities Explore: Shading Graphs of Linear Inequalities	
1-6	Special Functions Explore: Using Tables to Graph Piecewise Functions	
1-7	Transformations of Functions Explore: Using Technology to Transform Functions	
Module 2 Linear Equations, Inequalities, and Systems		
2-1	Solving Linear Equations and Inequalities Explore: Comparing Linear Equations and Inequalities	
2-2	Solving Absolute Value Equations and Inequalities Explore: Find Square Roots Using a Square Model	
2-3	Equations of Linear Functions	
2-4	Solving Systems of Equations Graphically Explore: Solutions of a System of Equations	

2-5	Solving Systems of Equations Algebraically
2-6	Solving Systems of Inequalities Explore: Solutions of Systems of Inequalities
2-7	Optimization with Linear Programming Explore: Using Technology with Linear Programming
2-8	Systems of Equations in Three Variables Explore: Systems of Equations Represented as Lines and Planes
2-9	Solving Absolute Value Equations and Inequalities by Graphing
Module 3 Quadratic Functions	
3-1	Graphing Quadratic Functions Explore: Transforming Quadratic Functions
3-2	Solving Quadratic Equations by Graphing Explore: Roots of Quadratic Equations
3-3	Complex Numbers Explore: Factoring Prime Polynomials
3-4	Solving Quadratic Equations by Factoring Explore: Finding the Solutions of Quadratic Equations by Factoring
3-5	Solving Quadratic Equations by Completing the Square Explore: Using Algebra Tiles to Complete the Square
3-6	Using the Quadratic Formula and the Discriminant Explore: The Discriminant
3-7	Quadratic Inequalities Explore: Graphing Quadratic Inequalities
3-8	Solving Linear-Nonlinear Systems Explore: Linear-Quadratic Systems

Print Date: 7/31/2025

Module 4 Polynomials and Polynomial Functions			
i Olynomiais a	nd Folyhorniai Functions		
4-1	Polynomial Functions Explore: Power Functions Explore: Cubic Functions		
4-2	Analyzing Graphs of Polynomial Functions		
4-3	Operations with Polynomials Explore: Multiplying Polynomials		
4-4	Dividing Polynomials Explore: Using Algebra Tiles to Divide Polynomials		
4-5	Powers of Binomials Explore: Expanding Binomials		
Module 5 Polynomial Ed	uations		
5-1	Solving Polynomial Equations by Graphing Explore: Solutions of Polynomial Equations		
5-2	Solving Polynomial Equations Algebraically		
5-3	Proving Polynomial Identities Explore: Polynomial Identities		
5-4	The Remainder and Factor Theorems Explore: Remainders		
5-5	Roots and Zeros Explore: Roots of Quadratic Polynomials		
Module 6	Module 6		
Triangles and	the Pythagorean Theorem		
6-1	Operations on Functions Explore: Adding Functions		
6-2	Inverse Relations and Functions Explore: Graphs of Inverse Functions		

6-3	nth Roots and Rational Exponents Explore: Inverses of Rational Functions
6-4	Graphing Radical Functions Explore: Using Technology to Analyze Graphs of Square Root Functions
6-5	Operations with Radical Expressions
6-6	Solving Radical Equations Explore: Solutions of Radical Equations
Module 7 Exponential Functions	
7-1	Graphing Exponential Functions Explore: Using Technology to Analyze Graphs of Exponential Functions
7-2	Solving Exponential Equations and Inequalities Explore: Solving Exponential Equations
7-3	Special Exponential Functions Explore: Finding the Value of e
7-4	Geometric Sequences and Series Explore: Geometric Sequences as Exponential Functions
7-5	Modeling Data Explore: Modeling Exponential Decay

Module 8 Logarithmic Functions	
8-1	Logarithms and Logarithmic Functions Explore: Transforming Logarithmic Functions
8-2	Properties of Logarithms Explore: Logarithmic Expressions and Equations

Print Date: 7/31/2025

8-3	Common Logarithms
8-4	Natural Logarithms Explore: Using a Scatter Plot to Analyze Data
8-5	Using Exponential and Logarithmic Functions
Module 9 Rational Func	tions
9-1	Multiplying and Dividing Rational Expressions Explore: Simplifying Complex Fractions
9-2	Adding and Subtracting Rational Expressions Explore: Closure of Rational Expressions
9-3	Graphing Reciprocal Functions Explore: Transforming Reciprocal Functions
9-4	Graphing Rational Functions Explore: Analyzing Rational Functions
9-5	Variation Explore: Variation
9-6	Solving Rational Equations and Inequalities Explore: Solving Rational Equations
Module 10 Inferential Sta	tistics
10-1	Random Sampling
10-2	Using Statistical Experiments Explore: Simulations and Experiments Explore: Fair Decisions
10-3	Analyzing Population Data
10-4	Normal Distributions Explore: Probability Distributions
10-5	Estimating Population Parameters
Module 11 Trigonometric	Functions

11-1	_ Angles and Angle Measure
	Explore: Arc Length
11-2	Trigonometric Functions of General Angles
11-3	Circular and Periodic Functions Explore: Trigonometric Functions of Special Angles
11-4	Graphing Sine and Cosine Functions
11-5	Graphing Other Trigonometric Functions
11-6	Translations of Trigonometric Graphs Explore: Using Technology to Analyze Graphs of Trigonometric Functions
11-7	Inverse Trigonometric Functions
Module 12	
Relations and	Functions
12-1	Trigonometric Identities Explore: Pythagorean Identity Explore: Negative-Angle Identity
12-2	Verifying Trigonometric Identities
12-3	Sum and Difference Identities
12-4	Double-Angle and Half-Angle Identities Explore: Proving the Double-Angle Identity for Cosine
12-5	Solving Trigonometric Equations

Print Date: 7/31/2025