

MODULE 1: Function Overview		
Unit	Workspace	Standard
Searching for Patterns	Exploring and Analyzing Patterns	A.SSE.A.1
	Comparing Familiar Function Representations	A.SSE.A.1
Graphs of Functions	Identifying Key Characteristics of Graphs of Functions	F.IF.B.4
	Transforming Functions	F.BF.B.3 A.SSE.A.1.b

MODULE 2: Quadratic Functions		
Unit	Workspace	Standard
Forms of Quadratic Functions	Examining the Shape and Structure of Quadratic Functions	A.SSE.A.1 A.SSE.A.2
	Quadratic Modeling	A.REI.B.4.b
	Quadratic Equation Solving	A.REI.B.4.b
	Quadratic Transformations	F.BF.3
Operations with Complex Numbers	Introduction to Complex Numbers	N.CN.A.1
	Simplifying Radicals with Negative Radicands	N.CN.A.1
	Simplifying Powers of i	N.CN.A.1
	Adding and Subtracting Complex Numbers	N.CN.A.2
	Multiplying Complex Numbers	N.CN.A.2
	Solving Quadratic Equations with Complex Roots	N.CN.C.7

MODULE 3: Polynomial Functions

Unit	Workspace	Standard
Power Functions	Exploring Cubic Functions	F.IF.C.7.c
	Exploring Power Functions	A.APR.1 F.IF.C.7.c
	Building Functions on a Coordinate Plane	A.APR.1 F.BF.1.b
Graphs of Polynomial Functions	Classifying Polynomial Functions	F.IF.B.4
	Interpreting Key Features of Graphs in Terms of Quantities	F.IF.B.4
	Identifying Key Characteristics of Polynomial Functions	F.IF.B.4
	Identify Zeros of Polynomials	A.APR.B.3
	Use Zeros to Sketch a Graph of Polynomials	A.APR.B.3
	Modeling Polynomials	F.IF.B.5
	Estimating Rate of Change from a Graph	F.IF.B.6
Calculating and Interpreting Average Rate of Change	F.IF.B.6	
Polynomial Operations	Adding Polynomials with Higher Orders	A.APR.A.1
	Adding and Subtracting Standard Functions Types	F.BF.A.1.b
	Multiplying Polynomials	A.APR.A.1
	Polynomial Long Division	A.APR.C.6
	Synthetic Division	A.APR.C.6
Solving Polynomials	Factoring Higher Order Polynomials	A.SSE.A.2
	Applying the Remainder Theorem	A.APR.B.2
	Polynomial Identities	A.APR.C.4
	Solving Polynomial Inequalities	A.CED.A.1
	Comparing Polynomial Functions in Different Forms	F.IF.C.9

MODULE 4: Other Functions		
Unit	Workspace	Standard
Piecewise Functions	Introduction to Piecewise Functions	F.IF.C.7.b
	Graphing Linear Piecewise Functions	F.IF.C.7.b
	Using Linear Piecewise Functions	F.IF.C.7.b
Step Functions	Step Functions	F.IF.C.7.b

MODULE 5: Sequences and Series		
Unit	Workspace	Standard
Finite Geometric Series	Calculating the Sum of Finite Geometric Series	A.SSE.B.4
	Using the Formula for Finite Geometric Series	A.SSE.B.4

MODULE 6: Rational Expressions and Functions		
Unit	Workspace	Standard
Rational Functions	Introduction to Rational Functions	(+) F.IF.7.d
	Modeling Ratios as Rational Functions	A.REI.A.2
Rational Expressions	Simplifying Rational Expressions	A.APR.D.6
	Multiplying and Dividing Rational Expressions	A.APR.D.6
	Adding and Subtracting Rational Expressions	A.APR.D.6
Rational Equations	Solving Rational Equations that Result in Linear Equations	A.REI.A.2
	Solving Rational Equations that Result in Quadratic Equations	A.REI.A.2
	Solving Rational Equations with Extraneous Solutions	A.REI.A.2
Rational Models and Independent Variables	Modeling Ratios as Rational Functions	A.APR.D.6
	Using Rational Models	A.CED.A.1
Work, Mixture, and Distance Problems	Modeling with Rational Functions	A.CED.A.1
	Modeling and Solving with Rational Functions	A.CED.A.1

MODULE 7: Inverse Functions		
Unit	Workspace	Standard
Inverses of Functions	Investigating Inverses of Power Functions	F.IF.C.7.b
	Sketching Graphs of Inverses	F.BF.B.4
	Calculating Inverses of Linear Functions	F.BF.B.4.a
	Graphing Square Root Functions	F.IF.C.7.b
	Graphing Cube Root Functions	F.IF.C.7.b

MODULE 8: Radical Expressions		
Unit	Workspace	Standard
Simplification and Operations with Radicals	Simplifying Radicals	N.RN.A.1
	Adding and Subtracting Radicals	N.RN.A.1
	Multiplying Radicals	N.RN.A.1
	Dividing Radicals	N.RN.A.1
Radical Expressions with Variables	Simplifying Radicals with Variables	N.RN.A.2
	Adding and Subtracting Radicals with Variables	N.RN.A.2
	Multiplying Radicals with Variables	N.RN.A.2

MODULE 9: Exponential Models		
Unit	Workspace	Standard
Exponential and Logarithmic Functions	Properties of Exponential Graphs	F.IF.C.7.e
	Introduction to Logarithmic Functions	F.IF.C.7.e
Solve Equations with Base 2, 10, or e	Solving Base 2 and Base 10 Equations (No Type In)	F.LE.A.4
	Solving Base 2 and Base 10 Equations (Type In)	F.LE.A.4
	Solving Base e Equations (No Type In)	F.LE.A.4
	Solving Base e Equations (Type In)	F.LE.A.4
	Solving Any Base Equations (No Type In)	F.LE.A.4
	Solving Any Base Equations (Type In)	F.LE.A.4

MODULE 10: Trigonometric Functions

Unit	Workspace	Standard
Graphs of Trigonometric Functions	Introduction to the Unit Circle	F.TF.A.1 F.TF.A.2
	Choosing Trigonometric Functions to Model Periodic Phenomena	F.TF.B.5
The Pythagorean Identity	Proving the Pythagorean Identity	F.TF.C.8
	Using the Pythagorean Identity to Determine Sine, Cosine, or Tangent	F.TF.C.8

MODULE 11: Interpreting Data

Unit	Workspace	Standard
Interpreting Data in Normal Distributions	Normal Distributions	S.ID.A.4
	Z-Scores and Percentiles	S.ID.A.4
	Normal Distributions and Probability	S.ID.A.4