

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
<b>Module 1: Exploring Patterns in Linear and Quadratic Relationships</b>				
<b>Topic 1: Extending Linear Relationships</b>				
1	Gauss in Das Haus	Solving Systems of Equations	2A.3A 2A.3B 2A.3C 2A.3D	2
MATHia				1
2	Make the Best of It	Optimization	2A.3A 2A.3E 2A.3F 2A.3G	2
3	Systems Redux	Solving Matrix Equations	2A.3B	2
MATHia				1
4	Putting the V in Absolute Value	Defining Absolute Value Functions and Transformations	2A.2A 2A.6C 2A.7I	2
MATHia				1
5	Play Ball!	Absolute Value Equations and Inequalities	2A.6D 2A.6E 2A.6F	2
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
<b>Topic 2: Exploring and Analyzing Patterns</b>				
1	Patterns: They're Grrrrrowing!	Observing Patterns	2A.8C	3
2	The Cat's Out of the Bag!	Generating Algebraic Expressions	2A.5B	1
MATHia				1
3	Samesies	Comparing Multiple Representations of Functions	2A.8A	1
MATHia				1
Mid Topic Assessment				1
4	True to Form	Forms of Quadratic Functions	2A.3A 2A.3B 2A.4A 2A.4D 2A.7B	2
MATHia				1
5	The Root of the Problem	Solving Quadratic Equations	2A.4F	2
MATHia				1
6	<i>i Want to Believe</i>	Imaginary and Complex Numbers	2A.4F 2A.7A	2
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
<b>Topic 3: Applications of Quadratics</b>				
1	Ahead of the Curve	Solving Quadratic Inequalities	2A.4H	1
MATHia				1
2	All Systems Are Go!	Systems of Quadratic Equations	2A.3A 2A.3C 2A.3D	2
MATHia				1
Mid Topic Assessment				1
3	Model Behavior	Using Quadratic Functions to Model Data	2A.2C 2A.4E 2A.7I 2A.8A 2A.8B 2A.8C	2
MATHia				1
4	Going the Equidistance	Equation of a Parabola	2A.4B	2
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
<b>Module 2: Analyzing Structure</b>				
<b>Topic 1: Composing and Decomposing Functions</b>				
1	Blame It on the Rain	Modeling with Functions	2A.4D	1
MATHia				1
2	Folds, Turns, and Zeros	Transforming Function Shapes	2A.2A	2
MATHia				1
3	Planting the Seeds	Exploring Cubic Functions	2A.2A 2A.7I	1
MATHia				1
4	The Zero's the Hero	Decomposing Cubic Functions	2A.2A 2A.7B	2
MATHia				1
End of Topic Assessment				1
<b>Topic 2: Characteristics of Polynomial Functions</b>				
1	So Odd, I Can't Even	Power Functions	2A.2A 2A.6A	2
MATHia				1
2	Math Class Needs a Makeover	Transformations of Polynomial Functions	2A.2A 2A.6A	2
MATHia				1
3	Poly-Wog	Key Characteristics of Polynomial Functions	2A.2A 2A.7I	2
MATHia				1
4	Function Construction	Building Cubic and Quartic Functions	2A.2A 2A.6A	2
5	Level Up	Analyzing Polynomial Functions	2A.2A	1
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
<b>Module 3: Developing Structural Similarities</b>				
<b>Topic 1: Relating Factors and Zeros</b>				
1	Satisfactory Factoring	Factoring Polynomials to Identify Zeros	2A.2A 2A.7D 2A.7E	2
MATHia				1
2	Divide and Conquer	Polynomial Division	2A.7C 2A.7D 2A.7E	2
MATHia				1
3	Closing Time	The Closure Property	2A.7B 2A.7C	1
MATHia				1
End of Topic Assessment				1
<b>Topic 2: Polynomial Models</b>				
1	Not a Case of Mistaken Identity	Exploring Polynomial Identities	2A.7B	2
2	Elegant Simplicity	Pascal's Triangle and the Binomial Theorem	2A.7B	1
MATHia				1
3	Modeling Gig	Modeling with Polynomial Functions and Data	2A.7I	2
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
<b>Module 4: Extending Beyond Polynomials</b>				
<b>Topic 1: Rational Functions</b>				
1	There's a Fine Line Between a Numerator and a Denominator	Introduction to Rational Functions	2A.2A 2A.6H 2A.6K 2A.7I 2A.6L	2
MATHia				1
2	Approaching Infinity	Transformations of Rational Functions	2A.6G 2A.6K	2
MATHia				1
3	There's a Hole in My Function!	Graphical Discontinuities	2A.2A 2A.6K 2A.7F	2
MATHia				1
Mid Topic Assessment				1
4	Must Be a Rational Explanation	Operations with Rational Expressions	2A.7C 2A.7E 2A.7F	3
MATHia				1
5	Thunder. Thun- Thun- Thunder.	Solving Problems with Rational Equations	2A.6H 2A.6I 2A.6J	2
MATHia				1
6	16 Tons and What Do You Get?	Solving Work, Mixture, Distance, and Cost Problems	2A.6H 2A.6I	2
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
<b>Topic 2: Radical Functions</b>				
1	Strike That, Invert It	Inverses of Power Functions	2A.2A 2A.2C	1
2	Such a Rad Lesson	Radical Functions	2A.2A 2A.2B 2A.2C 2A.2D 2A.7I	3
MATHia				1
Mid Topic Assessment				1
3	Making Waves	Transformations of Radical Functions	2A.2A 2A.4C 2A.7I	1
MATHia				1
4	Keepin' It Real	Rewriting Radical Expressions	2A.7G	2
MATHia				1
5	Into the Unknown	Solving Radical Equations	2A.4F 2A.4G 2A.6B	1
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
<b>Module 5: Inverting Functions</b>				
<b>Topic 1: Exponential and Logarithmic Functions</b>				
1	Half-Life	Comparing Linear and Exponential Functions	2A.5B	2
MATHia				1
2	Pert and Nert	Properties of Exponential Graphs	2A.2A 2A.5B	2
MATHia				1
3	Return of the Inverse	Logarithmic Functions	2A.2A 2A.2B 2A.2C 2A.5B 2A.5C 2A.7I	2
MATHia				1
Mid Topic Assessment				1
4	I Like to Move It	Transformations of Exponential and Logarithmic Functions	2A.2B 2A.5A	2
MATHia				1
5	Savings, Tea, and Carbon Dioxide	Modeling Using Exponential Functions	2A.8B	2
6	BAC Is Bad News	Choosing a Function to Model Data	2A.8B	1
MATHia				1
End of Topic Assessment				1



Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
<b>Topic 2: Exponential and Logarithmic Equations</b>				
1	All the Pieces of the Puzzle	Logarithmic Expressions	2A.5C 2A.5D	2
MATHia				1
2	Mad Props	Properties of Logarithms	2A.5C	1
3	More Than One Way to Crack an Egg	Solving Exponential Equations	2A.5C 2A.5D	2
MATHia				1
Mid Topic Assessment				1
4	Logging On	Solving Logarithmic Equations	2A.5C 2A.5D	2
MATHia				1
5	What's the Use?	Applications of Exponential and Logarithmic Equations	2A.5B 2A.5D 2A.5E 2A.7H	2
MATHia				1
End of Topic Assessment				1
<b>Topic 3: Applications of Exponential Functions</b>				
1	Series Are Sums	Geometric Series	2A.5B	1
2	Paint By Numbers	Art and Transformations	2A.2A 2A.4C 2A.6A 2A.6C 2A.6G	1
3	This Is the Title of This Lesson	Fractals	2A.5B	1
MATHia				1
End of Topic Assessment				1