

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Module 1: Searching for Patterns				
Topic 1: Quantities and Relationships				
1	A Picture Is Worth a Thousand Words	Understanding Quantities and Their Relationships	A.3C A.7A A.9D	2
MATHia				1
2	A Sort of Sorts	Analyzing and Sorting Graphs	A.3C A.7A A.9D	1
MATHia				1
3	F of X	Recognizing Functions and Function Families	A.2A A.3C A.6A A.7A A.9A A.9D A.12A	3
MATHia				1
4	Function Families for 200, Alex	Recognizing Functions by Characteristics	A.2A A.3C A.6A A.7A A.9A A.9D A.12A	2
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Topic 2: Sequences				
1	Is There a Pattern Here?	Recognizing Patterns and Sequences	A.9A A.12A A.12D	2
MATHia				1
2	The Password Is... Operations!	Arithmetic and Geometric Sequences	A.12A A.12D	2
MATHia				1
Mid Topic Assessment				1
3	Did You Mean: <i>Recursion</i> ?	Determining Recursive and Explicit Expressions from Contexts	A.12C A.12D	2
MATHia				1
4	3 Pegs, N Discs	Modeling Using Sequences	A.9D A.12D	2
MATHia				1
End of Topic Assessment				1
Topic 3: Linear Regressions				
1	Like a Glove	Least Squares Regressions	A.3C A.4C A.12A	2
MATHia				1
2	Gotta Keep It Correlatin'	Correlation	A.4A A.4B A.4C	2
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Module 2: Exploring Constant Change				
Topic 1: Linear Functions				
1	Connecting the Dots	Making Connections Between Arithmetic Sequences and Linear Functions	A.2A A.2B A.2C A.3A A.3B A.12D	3
MATHia				1
2	What's the Point?	Point-Slope Form of a Line?	A.2B A.2C	2
MATHia				1
3	The Arts Are Alive	Using Linear Equations	A.2B A.2C	2
MATHia				1
Mid Topic Assessment				1
4	Fun with Functions, Linear Ones	Making Sense of Different Representations of a Linear Function	A.2C A.2D A.3A A.3C A.3E A.3F A.12A A.12B	2
MATHia				1
5	Move It!	Transforming Linear Functions	A.2A A.2C A.3C A.3E	3
MATHia				1
6	Amirite?	Determining Slopes of Perpendicular Lines	A.2E A.2F A.2G	2



Texas Algebra I: Course Pacing Guide

*1 Day Pacing = 45 min. Session

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
MATHia				1
7	Making a Connection	Comparing Linear Functions in Different Forms	A.3A A.3C A.12B	2
MATHia				1
End of Topic Assessment				1
Topic 2: Linear Equations and Inequalities				
1	Strike a Balance	Solving Linear Equations	A.5A	2
MATHia				1
2	It's Literally About Literal Equations	Literal Equations	A.12E	2
MATHia				1
3	Not All Statements Are Made Equal	Modeling Linear Inequalities	A.2C A.5B	2
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Topic 3: Systems of Equations and Inequalities				
1	Double the Fun	Introduction to Systems of Equations	A.2A A.2C A.2I A.3F A.3G A.5C	2
MATHia				1
2	The County Fair	Using Substitution to Solve Linear Systems	A.2I A.5C	2
MATHia				1
3	The Elimination Round	Using Linear Combinations to Solve a System of Linear Equations	A.2I A.5C	3
MATHia				1
Mid Topic Assessment				1
4	Throwing Shade	Graphing Inequalities in Two Variables	A.2H A.3D	2
MATHia				1
5	Working with Constraints	Systems of Linear Inequalities	A.2H A.3D A.3H	3
MATHia				1
6	Working the System	Solving Systems of Equations and Inequalities	A.2H A.2I A.3D A.3H A.5C	2
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Module 3: Investigating Growth and Decay				
Topic 1: Introduction to Exponential Functions				
1	It's a Generational Thing	Properties of Powers with Integer Exponents	A.11B	3
MATHia				1
2	Show What You Know	Analyzing Properties of Powers	A.11B	2
MATHia				1
Mid Topic Assessment				1
3	A Constant Ratio	Geometric Sequences and Exponential Functions	A.9B A.9C A.9D A.11B A.12D	2
MATHia				1
4	The Power Within	Rational Exponents and Graphs of Exponential Functions	A.9B A.9C A.9D A.11A A.11B A.12B	3
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Topic 2: Using Exponential Equations				
1	Uptown and Downtown	Exponential Equations for Growth and Decay	A.3B A.3C A.9B A.9C A.9D A.12B	2
MATHia				1
2	Powers and the Horizontal Line	Interpreting Parameters in Context	A.9B A.9C A.9D	2
Mid Topic Assessment				1
MATHia				1
3	Savings, Tea, and Carbon Dioxide	Modeling Using Exponential Functions	A.9A A.9D A.9E	2
MATHia				1
4	BAC Is Bad News	Choosing a Function to Model Data	A.9E	2
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Module 4: Maximizing and Minimizing				
Topic 1: Introduction to Quadratic Functions				
1	Up and Down or Down and Up	Exploring Quadratic Functions	A.6A A.7A	2
MATHia				1
2	Endless Forms Most Beautiful	Key Characteristics of Quadratic Functions	A.6A A.6C A.7A	3
MATHia				1
Mid Topic Assessment				1
3	More Than Meets the Eye	Transformations of Quadratic Functions	A.6B A.6C A.7A A.7C A.10E	3
MATHia				1
4	You Lose Some, You Lose Some	Comparing Functions Using Key Characteristics and Average Rate of Change	A.7A A.7C	3
MATHia				1
End of Topic Assessment				1

Lesson #	Lesson Title	Lesson Subtitle	TEKS	Pacing*
Topic 2: Solving Quadratic Equations				
1	This Time, With Polynomials	Adding, Subtracting, and Multiplying Polynomials	A.10A A.10B A.10D	3
2	The Great Divide	Polynomial Division	A.10C	1
MATHia				1
3	Solutions, More or Less	Representing Solutions to Quadratic Equations	A.7A A.7B A.8A A.10F A.11A	2
4	Transforming Solutions	Solutions to Quadratic Equations in Vertex Form	A.7A A.7C A.8A	2
MATHia				1
Mid Topic Assessment				1
5	The Missing Link	Factoring and Completing the Square	A.7A A.8A A.10E	3
MATHia				1
6	Ladies and Gentlemen, Please Welcome the Quadratic Formula!	The Quadratic Formula	A.7A A.8A	3
MATHia				1
7	Model Behavior	Using Quadratic Functions to Model Data	A.6A A.7A A.8B A.12A	2
MATHia				1
End of Topic Assessment				1