

Algebra I Syllabus 2026-2027

Course Description

Algebra I serves as the foundation for all high school mathematics. This course develops students' understanding of variables, expressions, equations, functions, and data analysis. Emphasis is placed on problem solving, critical thinking, and real-world application to prepare students for success on the **STAAR End-of-Course Exam** and future advanced math courses.

Curriculum Overview

The following table outlines the instructional modules, date ranges, and specific TEKS (Texas Essential Knowledge and Skills) for the 2026-2027 school year based on the Algebra I Block scope and sequence. **Readiness TEKS** are high-priority standards for mastery, while **Supporting TEKS** provide essential foundational context.

Module	Module Name	Date Range	Readiness TEKS	Supporting TEKS
1	Searching For Patterns	Aug. 17 – Sept. 11	A.2A, A.3C, A.6A, A.7A, A.9D	A.9A, A.12A
2	Exploring Constant Change	Sept. 14 – Nov. 6	A.2A, A.2C, A.3B, A.3C	A.2B, A.2D, A.2E, A.2F, A.2G, A.3A, A.3E, A.3F, A.4A, A.4B, A.4C, A.12A, A.12B, A.12D
3	Modeling Linear Equations & Inequalities	Nov. 9 – Dec. 15	A.2A, A.2C, A.2I, A.3C, A.3D, A.5C	A.2E, A.2F, A.2G, A.2H, A.3A, A.3E, A.3F, A.3G, A.3H, A.12B
4	Investigating Growth & Decay	Jan. 7 – Feb. 2	A.3B, A.3C, A.9C, A.9D, A.11B	A.9A, A.9B, A.9E, A.11A, A.12B, A.12C, A.12D

5	Maximizing & Minimizing	Feb. 3 – April 9	A.6A, A.7A, A.7C, A.8A, A.10E	A.6B, A.6C, A.7B, A.8B, A.10A, A.10B, A.10C, A.10D, A.10F, A.11A
Review	STAAR Review	April 9 – April 26	Differentiated	N/A
Step Up	Step Up to Geometry	May 3 – May 20	N/A	N/A

***Note:** Certain sequence-related standards (A.12A, A.12C, A.12D) originally in Module 1 have been moved to the post-STAAR window.*

Skills & Standards

- **Solve linear equations, inequalities, and systems** using multiple methods.
- **Analyze and graph linear, quadratic, and exponential functions.**
- Interpret **domain and range** in various continuous and discrete contexts.
- Write and compare functions using **different representations** (tables, graphs, verbal).
- Apply **properties of exponents** and simplify algebraic expressions.
- **Factor and solve quadratic equations** using factoring, square roots, and the quadratic formula.
- Evaluate **function behavior** and determine solutions from graphs or tables.
- Apply **algebraic reasoning** to solve complex, real-world problems.
- Prepare for the **STAAR EOC** and college readiness assessments.

Grading

Please refer to the **Forney ISD Grading Guidelines** for detailed information regarding grading policies, late work, and reassessment procedures