

Middle School Algebra I Syllabus 2026-2027

Course Description

Algebra I introduces students to foundational algebraic concepts that are critical for higher-level mathematics. The course emphasizes reasoning with expressions and equations, linear and quadratic functions, polynomials, inequalities, and exponential relationships. Students will apply problem-solving strategies to real-world scenarios and prepare for success on the **STAAR End-of-Course (EOC)** assessment 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 updated Middle School 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. 15	A.2A, A.3C, A.6A, A.7A, A.9D	A.9A, A.12A
2	Exploring Constant Change	Sept. 16 – 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 "Step Up" window.*

District Assessments

- **Learning Check 1:** Oct. 6 – Oct. 7
- **Learning Check 2:** Dec. 14 – Dec. 15
- **History/Science Benchmarks:** Jan. 12 – Jan. 13
- **Math Benchmark:** March 2

Skills & Standards

Throughout the course, students will develop mastery in the following areas:

- **Solve and apply** linear equations, inequalities, and systems of equations.
- Understand and analyze functions, including **domain and range**.
- Model and graph **linear, quadratic, and exponential** relationships.
- Interpret key features of graphs such as **intercepts, zeros, and asymptotes**.
- **Simplify and operate** with polynomials and radical expressions.
- Apply the **laws of exponents** to simplify numeric and algebraic expressions.
- Use multiple methods (factoring, quadratic formula, square roots) to solve **quadratic equations**.

- Apply algebraic reasoning and data analysis to **real-world contexts** and SAT readiness.

Grading

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