

FSSD Syllabus for Algebra FMS

Freedom Middle School

Algebra

Instructional pacing guides for English Language Arts, Mathematics, Science, and Social Studies are available online at the FSSD website, which conveys detailed information by quarter. Please access these instructional resources at fssd.org/teacher-information/curriculum/

Students enrolled in this course will receive an high school honors credit from Williamson County Schools. Therefore, any additional standards, requirements, or assessment required by WCS will apply.

1st Quarter

Standards/Objectives:

http://tn.gov/assets/entities/education/attachments/std_math_algebra_1.pdf

A-REI.A.1, N-Q.A.1, N-Q.A.2, N-Q.A.3, A-SSE.A.1a, A-CED.A.1, A-CED.A.3, A-REI.B.3, A-SSE-A.1b, A-CED.A.4, F-IF.B.4, F-IF.A.1, F-IF.A.2, F-IF.B.5, A-CED.A.2, F-IF.C.7, F-IF.A.3, F-LE.A.2, F-BF.A.1a, F-BF.A.2, F-LE.A.1, F-IF.C.7a, F-IF.B.6, F-REI.D.10, F-LE.B.5

Topics covered:

- Quantitative Reasoning
- Algebraic Models
- Functions and Models
- Patterns and Sequences
- Linear Functions

Major assignments:

- 1) Module Assessments
- 2) Unit Assessments

Field trips (if applicable): N/A

2nd Quarter

Standards/Objectives:

{http://tn.gov/assets/entities/education/attachments/std_math_algebra_1.pdf}

A-REI.D.10, A-CED.A.2, F-BF.B.3, F-IF.C.7a, F-IF.C.9, F-LE.B.5, A-CED.A.3, A-REI.D.11, S-ID.C.7, N-Q.A.1, N-Q.A.2, A-REI.D.12, S-ID.A.1, S-ID.A.2, S-ID.A.3, S-ID.B.5, S-ID.B.6, S-ID.C.8, S-ID.C.9, A-REI.C.5, A-REI.C.6, F-IF.C.7d

Topics covered:

- Forms of Linear Equations
- Linear Equations and Inequalities
- Multi-Variable Categorical Data
- One-Variable Data Distributions
- Linear Modeling and Regression
- Solving Systems of Linear Functions
- Modeling with Linear Systems

Major assignments:

- 1) Module Assessments
- 2) Unit Assessments

Field trips (if applicable): N/A

3rd Quarter

Standards/Objectives:

{http://tn.gov/assets/entities/education/attachments/std_math_algebra_1.pdf}

F-IF.C.7b, F-BF.A.1, F-BF.B.3, A-REI.B.3, A-REI.D.11, A-CED.A.1, N-RN.A.1, N-RN.A.2, N-RN.B.3, A-SSE.A.1, F-LE.A.2, F-BF-A.1a, F-LE.A.3, F-BF.A.2, F-IF.A.2, F-IF.C.7e, F-IF.C.8b, F-IF.C.9, F-IF.A.1b, S-ID.B.6a, F-LE.A.1c, A-SSE.B.3c, F-IF.B.5, S-ID.B.6b, A-CED.A.2, A-APR.A.1, A-SSE.A.2, A-APR.D.6, A-APR.D.7

Topics covered:

- Piecewise-Defined Functions
- Rational Exponents and Radicals
- Geometric Sequences and Exponential Functions
- Exponential Equations and Models
- Adding and Subtracting Polynomials
- Multiplying Polynomials

Major assignments:

- 1) Module Assessments
- 2) Unit Assessments

Field trips (if applicable): N/A

4th Quarter

Standards/Objectives:

http://tn.gov/assets/entities/education/attachments/std_math_algebra_1.pdf

F-BF.B.3, F-IF.B.4, F-IF.A.2, F-IF.C.7a, F-IF.C.8, F-BF.A.1, F-BF.B.4, A-REI.B.4, A-REI.D.11, A-APR.A.1, A-SSE.A.2, A-SSE.B.3, A-REI.C.7, A-CED.A.2, F-LE.A.1, F-IF.B.5, F-IF.B.6, F-LE.A.3, F-IF.C.7b, F-IF.C.7c, A-CED.A.4

Topics covered:

- Graphing Quadratic Functions
- Connecting Intercepts, Zeros, and Factors
- Using Factors to Solve Quadratic Equations
- Using Square Roots to Solve Quadratic Equations
- Linear, Exponential, and Quadratic Models
- Functions and Inverses

Major assignments:

- 1) Module Assessments
- 2) Unit Assessments

Field trips (if applicable): N/A

* For students who have IEPs, please refer to their specific goals.

Procedures for Parental Access for Instructional Materials:

1) Many instructional materials can be accessed digitally via the FSSD website (fssd.org) using your student's unique username and password.

a. [Student Resources](#): FSSD website > Parents & Students > Parent Information > Online Resources > Student

b. [Parent Resources](#): FSSD website > Parents & Students > Parent Information > Online Resources > Parent

2) If additional information is needed regarding instructional materials, a written request may be submitted to your child's teacher. Instructional material review is included in [Board Policy 4.400](#).