CFISD 381, Algebra I, Grade 8, K-Level

Scope and Sequence 2026-2027

Course Description:

K-Level math students in Grade 8 study the remaining portion of the Texas Essential Knowledge and Skills required for Grade 8, not previously studied in K-level Math in Grade 7, as well as all of the Texas Essential Knowledge and Skills required for Algebra I. Students will study linear, quadratic, and exponential functions and their related transformations, equations, and associated solutions. Students will connect functions and their associated solutions in both mathematical and real-world situations. Students will use technology, specifically the graphing calculator, to collect and explore data and analyze statistical relationships. In addition, students will study polynomials of degree one and two, radical expressions, sequences, and laws of exponents. Students will generate and solve linear systems with two equations and two variables and will create new functions through transformations.

Texas Essential Knowledge and Skills: CFISD 381, Algebra I, Grade 8, K-Level

Instructional Units	Days**	
First Semester (80 days)	**Start Date**	**End Date**
1st Grading Period	**8/12/2026**	**10/08/2026**
Linear Relationships	8/12/2026	10/08/2026
Systems of Equations	10/08/2026	10/08/2026
2nd Grading Period	**10/19/2026**	**12/18/2026**
Systems of Equations	10/19/2026	11/13/2026
Exponential Functions and Equations*	11/16/2026	12/18/2026
Second Semester (93 days)	**Start Date**	**End Date**
3rd Grading Period	**1/05/2027**	**3/11/2027**
Quadratic Functions	1/05/2027	1/26/2027
Polynomial Operations	1/27/2027	3/03/2027
Quadratic Equations	3/04/2027	3/11/2027
4th Grading Period	**3/22/2027**	**5/27/2027**
Quadratic Equations	3/22/2027	4/02/2027
Review and testing for EOC	4/05/2027	4/20/2027
Quadratic Equations	4/21/2027	5/03/2027
Algebra Integration*	5/04/2027	5/27/2027

*time included for semester exam review and final exam

**The length of each unit is a specific number of days, but it is understood that there is a range of +/- a day. The purpose of the flexibility is meant to allow teachers the opportunity to plan for the needs of their students and to accommodate re-teaching or review when necessary. If pre-assessment indicates student mastery could be obtained in a fewer number of days, the additional time could be used for extension or carried into the next unit.

Instructional Material(s):

STEMscopes Texas Math – Algebra 1
Accelerate Learning