

CFISD 382, Math Grade 8, On-Level

Scope and Sequence 2026-2027

Course Description:

The primary focal areas in Grade 8 are proportionality; expressions, equations, relationships, and foundations of functions; and measurement and data. Students use concepts, algorithms, and properties of real numbers to explore mathematical relationships and to describe increasingly complex situations. Students use concepts of proportionality to explore, develop, and communicate mathematical relationships. Students use algebraic thinking to describe how a change in one quantity in a relationship results in a change in the other. Students connect verbal, numeric, graphic, and symbolic representations of relationships, including equations and inequalities. Students begin to develop an understanding of functional relationships. Students use geometric properties and relationships, as well as spatial reasoning, to model and analyze situations and solve problems. Students communicate information about geometric figures or situations by quantifying attributes, generalize procedures from measurement experiences, and use the procedures to solve problems. Students use appropriate statistics, representations of data, and reasoning to draw conclusions, evaluate arguments, and make recommendations. While the use of all types of technology is important, the emphasis on algebra readiness skills necessitates the implementation of graphing technology.

Texas Essential Knowledge and Skills: [CFISD 382, Math Grade 8, On-Level](#)

Instructional Units	Days**	
First Semester (80 days)	Start Date	End Date
1st Grading Period	8/12/2026	10/8/2026
Launch	8/12/2026	8/14/2026
Real Numbers	8/17/2026	9/01/2026
Equations and Inequalities	9/02/2026	9/21/2026
Proportional Relationships	9/22/2026	10/08/2026
2nd Grading Period	10/19/2026	12/18/2026
Non-Proportional Relationships	10/19/2026	11/02/2026
Equations with Two Variables	11/04/2026	11/17/2026
Mean Absolute Deviation and Random Sampling	11/18/2026	11/20/2026
Pythagorean Theorem	11/30/2026	12/11/2026
Angle Relationships	12/14/2026	12/18/2026
Second Semester (93 days)	Start Date	End Date
3rd Grading Period	1/05/2027	3/11/2027
Volume	1/05/2027	1/20/2027
Surface Area	1/21/2027	2/04/2027
Transformations	2/05/2027	3/03/2027
Financial Literacy	3/04/2027	3/11/2027
4th Grading Period	3/22/2027	5/27/2027
Financial Literacy	3/22/2027	4/01/2027
STAAR Review	4/02/2027	4/20/2027
Pre-Algebra	4/21/2027	5/27/2027

**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 – Grade 8

Accelerate Learning