

# CFISD MATH 382 Scope and Sequence (2025–2026)

## 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](#)

## First Semester (81 Days)

### 1st Grading Period

Unit	Start Date	End Date
Building Relationships	Aug. 13, 2025	Aug. 15, 2025
Equations and Inequalities	Aug. 18, 2025	Sep. 17, 2025
Linear Functions	Sep. 18, 2025	Oct. 9, 2025

### 2nd Grading Period

Unit	Start Date	End Date
Linear Functions	Oct. 15, 2025	Nov. 17, 2025
Financial Literacy	Nov. 18, 2025	Dec. 11, 2025
Data Analysis	Dec. 12, 2025	Dec. 18, 2025

## Second Semester (92 Days)

### 3rd Grading Period

Unit	Start Date	End Date
Transformational Geometry	Jan. 6, 2026	Feb. 6, 2026
Measurement	Feb. 9, 2026	Mar. 6, 2026

### 4th Grading Period

Unit	Start Date	End Date
Measurement	Mar. 16, 2026	Mar. 30, 2026
STAAR Review	Mar. 31, 2026	Apr. 21, 2026
Pre-Algebra	Apr. 22, 2026	May 28, 2026

## Notes

\*\*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 Materials

*Texas Go Math! Grade 8*

*Houghton Mifflin Harcourt*