CFISD Advanced Quantitative Reasoning

Scope and Sequence (2025–2026)

Course Description

In Advanced Quantitative Reasoning, students will develop and apply skills necessary for college, careers, and life. Course content consists primarily of applications of high school mathematics concepts to prepare students to become well-educated and highly informed 21st century citizens. Students will develop and apply reasoning, planning, and communication to make decisions and solve problems in applied situations involving numerical reasoning, probability, statistical analysis, finance, mathematical selection, and modeling with algebra, geometry, trigonometry, and discrete mathematics.

Texas Essential Knowledge and Skills: Advanced Quantitative Reasoning

First Semester (81 Days)

1st Grading Period

Unit	Start Date	End Date
Basic Numerical Applications	Aug. 13, 2025	Sep. 12, 2025
Probability	Sep. 15, 2025	Oct. 9, 2025

2nd Grading Period

Unit	Start Date	End Date
Probability	Oct. 15, 2025	Oct. 28, 2025
*Statistics	Oct. 29, 2025	Dec. 18, 2025

Second Semester (92 Days)

3rd Grading Period

Unit	Start Date	End Date
Function Models	Jan. 6, 2026	Mar. 6, 2026

4th Grading Period

Unit	Start Date	End Date
Finance	Mar. 16, 2026	Apr. 29, 2026
*Networks and Circuits	Apr 30, 2026	May 28, 2026

Notes

 * Includes time for Final Exams.

**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

Advanced Quantitative Reasoning

AQR Press