

# CFISD 371, Math Grade 7, K-Level

Scope and Sequence 2026-2027

## Course Description:

The primary focal areas in Grade 7 are number and operations; proportionality; expressions, equations, and relationships; and measurement and data. Students use concepts, algorithms, and properties of rational numbers to explore mathematical relationships and to describe increasingly complex situations. Students use concepts of proportionality to explore, develop, and communicate mathematical relationships, including number, geometry and measurement, and statistics and probability. 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 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 371, Math Grade 7, Advanced Mathematics](#)

| Instructional Units                                | Days**            |                   |
|----------------------------------------------------|-------------------|-------------------|
| <b>First Semester</b>                              | <b>80</b>         | <b>End Date</b>   |
| <b>1<sup>st</sup> Grading Period</b>               | <b>8/12/2026</b>  | <b>10/8/2026</b>  |
| Launch                                             | 8/12/2026         | 8/13/2026         |
| Real Numbers                                       | 8/14/2026         | 8/26/2026         |
| Rational Numbers                                   | 8/27/2026         | 9/10/2026         |
| Ratios, Rates, and Percents                        | 9/11/2026         | 9/25/2026         |
| Probability and Statistics                         | 9/28/2026         | 10/8/2026         |
| <b>2<sup>nd</sup> Grading Period</b>               | <b>10/19/2026</b> | <b>12/18/2026</b> |
| Probability and Statistics                         | 10/19/2026        | 10/26/2026        |
| Equations and Inequalities                         | 10/27/2026        | 11/12/2026        |
| Proportional and Non-Proportional Relationships    | 11/13/2026        | 12/9/2026         |
| Personal Finance – Budgets (7 <sup>th</sup> Grade) | 12/10/2026        | 12/18/2026        |
|                                                    |                   |                   |
| <b>Second Semester</b>                             | <b>93</b>         | <b>End Date</b>   |
| <b>3<sup>rd</sup> Grading Period</b>               | <b>1/5/2027</b>   | <b>3/11/2027</b>  |
| Similar Figures                                    | 1/5/2027          | 1/11/2027         |
| Angle Relationships                                | 1/12/2027         | 1/19/2027         |
| Pythagorean Theorem                                | 1/20/2027         | 1/27/2027         |
| Circles                                            | 1/28/2027         | 2/8/2027          |
| Area and Surface Area                              | 2/9/2027          | 2/25/2027         |
| Volume                                             | 2/26/2027         | 3/11/2027         |
| <b>4<sup>th</sup> Grading Period</b>               | <b>3/22/2027</b>  | <b>5/27/2027</b>  |
| Volume                                             | 3/22/2027         | 3/25/2027         |
| Data                                               | 3/29/2027         | 4/2/2027          |
| STAAR Review                                       | 4/2/2027          | 4/20/2027         |
| Transformations                                    | 4/21/2027         | 5/12/2027         |
| MAD / Random Sampling                              | 5/13/2027         | 5/14/2027         |
| Miscellaneous Personal Finance (8th Grade)         | 5/17/2027         | 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 – Grades 7 / 8

Accelerate Learning