

CFISD 8th Grade Science Course Scope and Sequence (2026–2027)

Course Description

In Grade 8 Science, content is organized into recurring strands. The concepts within each grade level build on prior knowledge, prepare students for the next grade level, and establish a foundation for high school courses. The following concepts will be addressed in each strand: Scientific and Engineering Practices, Matter and Energy, Force, Motion, and Energy, Earth and Space, Organisms and Environments, Nature of Science, Scientific Observations, Inferences, Hypotheses, and Theories, Science and Social Ethics, and Recurring Themes and Concepts.

Texas Essential Knowledge and Skills: 8th Grade Science

First Semester (80 Days)

1st Grading Period (Aug. 12 – Oct. 8, 2026)

Unit	Title	Date Range	Days**
Unit 1	Safety & Forces	Aug. 12 – Sep. 18, 2026	27
Unit 2	Cosmos	Sep. 21 – Oct. 8, 2026	14

2nd Grading Period (Oct. 19 – Dec. 18, 2026)

Unit	Title	Date Range	Days**
Unit 3	Electromagnetic Spectrum	Oct. 19 – Nov. 4, 2026	12
Unit 4	Variations	Nov. 5 – Dec. 1, 2026	14
Unit 5	Cells	Dec. 2 – Dec. 18, 2026	13

Second Semester (93 Days)

3rd Grading Period (Jan. 5 – Mar. 11, 2027)

Unit	Title	Date Range	Days**
Unit 6	Ecosystem Stability	Jan. 5 – Jan. 22, 2027	13
Unit 7	Atmospheric Systems	Jan. 25 – Feb. 18, 2027	18
Unit 8	Chemistry	Feb. 19 – Mar. 11, 2027	15

4th Grading Period (Mar. 22 – May 27, 2027)

Unit	Title	Date Range	Days**
Unit 8	Chemistry	Mar. 22 – Mar. 30, 2027	6
Unit 9	STAAR Prep	Mar. 31 – Apr. 14, 2027	11
Unit 10	Impacts on Environments	Apr. 15 – May 13, 2027	20
Unit 11	HSI	May 14 – May 27, 2027	10

**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):

Into Science Texas: Grade 8

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