

# CFISD 8<sup>th</sup> Grade Science

Scope and Sequence 2024-2025

## 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](#)

Instructional Units	Days**	Date Range	
First Semester	81	Start Date	End Date
<b>1<sup>st</sup> Grading Period (8/19/2024 - 10/18/2024)</b>			
Unit 1: Forces	19	Aug. 19	Sept. 13
Unit 2: Cosmos	15	Sept. 16	Oct. 4
Unit 3: Electromagnetic Spectrum	9	Oct. 7	-
<b>2<sup>nd</sup> Grading Period (10/21/2024 - 12/20/2024)</b>			
Unit 3: Electromagnetic Spectrum (cont'd)	5	-	Oct. 25
Unit 4: Atmospheric Systems	18	Oct. 28	Nov. 22
Unit 5: Impacts on the Environment	15	Dec. 2	Dec. 20
Second Semester	92	Start Date	End Date
<b>3<sup>rd</sup> Grading Period (1/7/2025 - 3/7/2025)</b>			
Unit 6: Ecosystem Stability	13	Jan. 7	Jan. 24
Unit 7: Variations in Organisms	14	Jan. 27	Feb. 13
Unit 8: Cells	10	Feb. 18	Mar. 3
Unit 9: Chemistry	4	Mar. 4	-
<b>4<sup>th</sup> Grading Period (3/17/2025 - 5/29/2025)</b>			
Unit 9: Chemistry	11	-	Mar. 31
Unit 10: STAAR Prep	11	Apr. 1	Apr. 15
Unit 11: HSI	11	Apr. 16	May 2
Unit 12: Science In Action	18	May 5	May 29

\*\*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

Houghton Mifflin Harcourt Publishing 2024

updated 10/28/2024

