

# CFISD 7<sup>th</sup> Grade Science

Scope and Sequence 2024-2025

## Course Description:

In Grade 7 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: [7th Grade Science](#)

| Instructional Units  | Days**    | Date Range        |                 |
|--|-----------|-------------------|-----------------|
| <b>First Semester</b>  | <b>81</b> | <b>Start Date</b> | <b>End Date</b> |
| <b>1<sup>st</sup> Grading Period (8/19/2024 - 10/18/2024)</b>  |           |                   |                 |
| Unit 1: Solar System   | 19        | Aug. 19           | Sept. 13        |
| Unit 2: Force & Motion   | 24        | Sept. 16          | Oct. 18         |
| <b>2<sup>nd</sup> Grading Period (10/21/2024 - 12/20/2024)</b> |           |                   |                 |
| Unit 3: Energy   | 16        | Oct. 21           | Nov. 12         |
| Unit 4: Matter   | 23        | Nov. 13           | Dec. 20         |
| <b>Second Semester</b>   |           |                   |                 |
| <b>Second Semester</b>   | <b>92</b> | <b>Start Date</b> | <b>End Date</b> |
| <b>3<sup>rd</sup> Grading Period (1/7/2025 - 3/7/2025)</b>     |           |                   |                 |
| Unit 5: Plate Tectonics  | 16        | Jan. 7            | Jan. 29         |
| Unit 6: Earth's Hydrosphere                                    | 15        | Jan. 30           | Feb. 21         |
| Unit 7: Energy in Ecosystems                                   | 10        | Feb. 24           | Mar. 7          |
| <b>4<sup>th</sup> Grading Period (3/17/2025 - 5/29/2025)</b>   |           |                   |                 |
| Unit 7: Energy in Ecosystems                                   | 15        | Mar. 17           | Apr. 4          |
| Unit 8: Organisms & Reproduction                               | 23        | Apr. 7            | May 9           |
| Unit 9: HSI  | 13        | May 12            | 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 7

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