

Draft Earth Systems Science

Scope and Sequence 2024-2025

Course Description:

The Earth Systems Science course is designed to build on students' prior scientific and academic knowledge and skills to develop their understanding of Earth's systems. These systems (the atmosphere, hydrosphere, geosphere, and biosphere) interact through time to produce the Earth's landscapes, climate, and resources. Students explore the geologic history of individual dynamic systems through the flow of energy and matter, their current states, and how these systems affect and are affected by human use.

Texas Essential Knowledge and Skills: [Earth Systems Science](#)

Instructional Units	Days	Date Range	
First Semester	81	Start Date	End Date
1st Grading Period - 43 Days			
Unit 1: Intro to Earth & Space Science ¹ Chapter 1	12	08/19/24	09/04/24
Unit 2: Earth Materials & Geologic Time ¹ Chapter 3 & 5	15	09/05/24	09/25/24
Unit 3A: Internal Processes Chapter 7 - 8	16	09/26/24	10/18/24
2nd Grading Period - 38 Days			
Unit 3B: Internal Processes Chapter 9 - 11	23	10/21/24	11/22/24
Unit 4A: Surface Processes Chapter 12	10	12/02/24	12/13/24
Review & Final Exam	5	12/16/24	12/20/24
Second Semester	92	Start Date	End Date
3rd Grading Period - 41 Days			
Unit 4B: Surface Processes Chapters 13 - 14	11	01/07/25	01/22/25
Unit 5: The Hydrosphere Chapters 15 - 17	18	01/23/25	02/19/25
Unit 6A: The Atmosphere Chapters 18 - 19	12	02/20/25	03/07/25
4th Grading Period - 51 Days			
Unit 6B: The Atmosphere ³ Chapter 20	26	03/17/25	04/23/25
Unit 7: Earth and Space ² Chapter 23	20	04/24/25	05/21/25
Review & Final Exam	5	05/22/25	05/29/25

References:

¹ Chapter 2 not included in board adopted materials. TEKS mastered in other chapters.

² Chapter 6 not included in Board adopted materials. Teachers will ensure coverage of TEKS 12E mastery from chapter 6 by teaching identified components in Chapter 14 and replacement district lesson(s) provided to cover TEKS 13A in Unit 7.

³ Chapter 21 not included in board adopted materials. Replacement district lesson(s) provided to cover TEKS.

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Instructional Material(s):

National Geographic Earth Systems, Texas Edition

Authors: Hendrix, Thompson, Turk

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