

Draft Environmental Systems

Scope and Sequence 2024-2025

Course Description:

In Environmental Systems, students conduct laboratory and field investigations, use scientific methods during investigations, and make informed decisions using critical thinking and scientific problem solving. Students study a variety of topics that include biotic and abiotic factors in habitats, ecosystems and biomes, interrelationships among resources and an environmental system, sources and flow of energy through an environmental system, relationship between carrying capacity and changes in populations and ecosystems, natural changes in the environment, and human activities that impact the natural environment.

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

Instructional Units	Days	Date Range	
First Semester	81	Start Date	End Date
1st Grading Period - 43 Days			
Unit 1: Ecology & Ecosystems Chapters 1, 2 & 3	24	08/19/24	09/20/24
Unit 2: Biodiversity ^{1,2} Chapters 4 & 6	19	09/23/24	10/18/24
2nd Grading Period - 38 Days			
Unit 3: Sustaining Biodiversity Chapter 8	13	10/21/24	11/08/24
Unit 4A: Environmental Quality Chapters 9 & 10	20	11/11/24	12/13/24
Review & Final Exams	5	12/16/24	12/20/24
Second Semester	92	Start Date	End Date
3rd Grading Period - 41 Days			
Unit 4B: Environmental Quality Chapters 11, 12 & 13	25	01/07/25	02/11/25
Unit 5A: Environmental Concerns Chapter 14	16	02/12/25	03/07/25
4th Grading Period - 51 Days			
Unit 5B: Environmental Concerns Chapters 15 & 16	24	03/17/25	04/17/25
Unit 5C: Environmental Concerns Chapters 17 & 18	22	04/22/25	05/21/25
Review & Final Exams	5	05/22/25	05/29/25

References:

¹ Chapter 5 not included in Board adopted materials. Required replacement district lesson(s) provided to cover TEKS.

² Chapter 7 not included in Board adopted materials. Teachers will ensure coverage of TEKS 5F mastery from chapter 7 by teaching identified extinction components in Chapter 4.

Instructional Material(s):

National Geographic Environmental Science: Sustaining Your World, Texas Edition, 1st Edition ©2024
Authors: Miller, Spoolman

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