

Calallen ISD 2025-2026
Syllabus

Campus: Calallen High School

Course and Grade Level: Environmental Systems (11th - 12th)

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. Topics 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, and changes in environments.

Prerequisites: Biology & either Chemistry, Physics, or IPC

Semester 1: August 13 – December 19, 2025

1st Quarter Topics	2nd Quarter Topics
● Nature of Science ● Understanding Our Environment ● Environmental Systems: Matter, Energy, and Life ● Evolution, Species Interactions, and Biological Communities	● Human Populations ● Biomes and Biodiversity ● Climate ● Air Pollution ● Water: Resources and Pollution

Semester 2: January 5 – May 29, 2026

3rd Quarter Topics	4th Quarter Topics
● Land Use ● Food and Agriculture ● Environmental Geology and Earth-Resources ● Energy	● Environmental Health and Toxicology ● Solid and Hazardous Waste ● Economics and Urbanization ● Environmental Policy and Sustainability

**Minor adjustments to the schedule may be made based on campus schedules and student needs.*