

Environmental Systems Parent Guide

Environmental Systems is a focus on the study of the environment with emphasis on ecology and natural resources. Topics include local environmental systems, source and energy flow, relationship between carrying capacity and changes in population and ecosystems, and environmental changes. Students will study a variety of current topics that revolve around people and society, including cultural perspectives and balance of nature. Texas Essential Knowledge and Skills for Environmental Systems [§112.37. Environmental Systems](#)

1st 6 Weeks:

Introduction to Environmental Systems
Earth Systems
Environmental change in systems
Life and Ecosystems
Impact of human activities on the environment

4th 6 Weeks:

Land Use and Management
Land Fertility
Restorative projects
Cost-benefit of commercial activities
Food and Agriculture

2nd 6 Weeks:

Life and Ecosystems
Biotic and abiotic factors and cycles
Flow of energy in ecosystems
Biomes
Understanding Populations

5th 6 Weeks:

Water Resources and Pollution
Natural environmental change and global effect
Temperature inversion impact
Air Pollution and Climate Change
Understanding Energy

3rd 6 Weeks:

Understanding Populations
Invasive Species
Biodiversity
Economic significance and interdependence of resources
Population Dynamics

6th 6 Weeks:

Understanding Energy
Point and non-point sources
Social ethics and legal practices
Legislation and treaties
Waste and Human Impact

Questions? Please contact your course science teacher.