

Environmental Science Syllabus
Spring 2025

Order of topics is subject to change

Week	Topic	Details
1	Biotic and Abiotic Factors	Identify living and nonliving things in an ecosystem
2	Earth's Systems	Investigate how Earth's systems interact with each other
3	Earth's Atmosphere	Create a scale model of the layers of the atmosphere
4	Carbon cycle	Understand how carbon moves through Earth's systems
5	Mining	Perform "chocolate chip" mining
6	Biomes	Create models and learn about biomes
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8	Symbiosis	Learn about the three types of symbiotic relationships: commensalism, mutualism, and parasitism
9	Energy pyramids	Create a model to show how energy is transferred from one trophic level to the next
10	Biomagnification	Model how a compound increases its concentration in the tissues of organisms as it travels up the food chain
11	Mark-Recapture Method	perform a counting method used by biologists to estimate a population of organisms
12	Limiting Factors and Carrying Capacity	activity that demonstrates how a population is dependent on factors that control growth.