

Course Description

The *Natural Resources and Ecology* course is a foundation course within the CASE sequence of courses. The course provides students a variety of experiences that in the fields of natural resources and ecology. Students will explore hands-on projects and activities while studying topics such as land use, water quality, stewardship, and environmental agencies. Study of the natural world including biomes, land, air, water, energy, use and care as well as a focus on issues surrounding man's interaction with the Earth will be addressed in this course.

Students will select an ecosystem to study throughout the course and apply principles of natural resources and ecology from each unit of study to that ecosystem.

The lessons in *Natural Resources and Ecology* include the following.

Unit 1 Conservation, Preservation, Exploitation

- Lesson 1.1 Natural Resources and Ecology 101
- Lesson 1.2 Building Biomes

Unit 2 Mother Earth

- Lesson 2.1 Soils and Land
- Lesson 2.2 Reading the Land

Unit 3 Water Works

- Lesson 3.1 Water Basics
- Lesson 3.2 Water Function

Unit 4 Lighter than Air

- Lesson 4.1 The Role of Air
- Lesson 4.2 The Smog has Lifted

Unit 5 Earth's Energy

- Lesson 5.1 The Energy of Life

Unit 6 Flora and Fauna

- Lesson 6.1 All Natural Flora
- Lesson 6.2 Flourishing Fauna

Unit 7 Farming, Forestry, and Ferrous

- Lesson 7.1 Agricultural Stewardship
- Lesson 7.2 Timber!
- Lesson 7.3 Digging and Drilling

Unit 8 We the People

- Lesson 8.1 Urban Sprawl
- Lesson 8.2 A Walk in the Park

Unit 9 Past, Present, Future

- Lesson 9.1 Policing Our Wilderness
- Lesson 9.2 What's Next