

Environmental Science

Week 1

- First day of school/ Paperwork

Week 2

- Have students develop a PowerPoint about what they think the environment is and their role.

Week 3

Unit 1: The Environmental and Quality of Life

1. Examine the environment and how human and agricultural activities create Environmental change.

Week 4

Unit 1: The Environmental and Quality of Life

2. Analyze issues affecting the global environment and how these relate to agriculture.

Week 5

Unit 2: Supervised Experience in Agricultural Environment

1. Plan, implement, and expand supervised experience in agricultural environment.
2. Prepare and keep appropriate written documentation on supervised experience.

Week 6

Unit 3: Living Organisms and the Environment

1. Investigate living organisms in the environment.

Week 7

Unit 3: Living Organisms and the Environment

1. Investigate living organisms in the environment

Week 8

Unit 3: Living Organisms and the Environment

1. Investigate living organisms in the environment

Week 9

Unit 3: Living Organisms and the Environment

2. Examine relationships of living organisms and the environment.

Week 10

Unit 3: Living Organisms and the Environment

3. Identify agricultural pests as they relate to the environment.

Week 11

Unit 2: Supervised Experience in Agricultural Environment

1. Plan, implement, and expand supervised experience in agricultural environment.
2. Prepare and keep appropriate written documentation on supervised experience.

Week 12

Unit 2: Supervised Experience in Agricultural Environment

2. Prepare and keep appropriate written documentation on supervised experience.

Week 13

- Have students collect insect for insect collection for Unit 2
- Give students insect collection rules

Week 14

- Have students' explain/teacher lecture on life span.

Week 15

Unit 4: Ecology and the Environment

1. Examine the principles of ecology as related to environmental quality.
2. Identify ecological diversity in agricultural and wildlife ecosystems.

Week 16

Thanksgiving Holidays

Week 17

Unit 5: Land and Soil Management

1. Identify the process of planning for urban and rural land use.

Week 18

Unit 5: Land and Soil Management

2. Explain the importance of soil and proper soil management.

Week 19

Unit 5: Land and Soil Management

3. Assess the impact of agricultural, horticultural, and forestry practices on land and soil.

Week 20

- Christmas Holidays
- Teacher Work Day

Week 21

Unit 6: Water Quality Management

1. Explain water uses and quality.
2. Describe important water management practices.

Week 22

Unit 6: Water Quality Management

3. Describe how wastewater is treated to maintain water quality.
- Have students take water samples.

Week 23

Martin Luther King Holiday

Unit 8: Bioremediation and Waste Management

1. Use appropriate procedures in managing solid waste.
Movie/pictures/handouts

Week 24

Unit 8: Bioremediation and Waste Management

2. Select appropriate procedures for managing hazardous waste.

Week 25

Unit 7: The Atmosphere and Environmental Quality

1. Examine the relationship of the atmosphere to the Earth's environment.

Week 26

Unit 7: The Atmosphere and Environmental Quality

2. Use weather and climate information in making decisions about the environment.

Week 27

Unit 7: The Atmosphere and Environmental Quality

2. Assess air quality and identify sources of air pollution.

Week 27

President Day

Unit 9: Forestry and the Environment

1. Examine the relationship of forests to the environment.

Week 28

Unit 9: Forestry and the Environment

2. Explain the contributions made by forests to the economy and environmental quality.

Week 29

Unit 10: Wildlife and the Environment

1. Examine the relationships of wildlife well being and environmental quality.

Week 30

Unit 10: Wildlife and the Environment

2. Investigate approaches in protecting wildlife species.

Week 31

Unit 11: Energy Management

1. Examine how energy is classified and used.
2. Implement practices that conserve energy.

Week 32

Unit 12: Environmental Stewardship

1. Explain sustainable agriculture.
2. Use the services of agricultural agencies and organizations in maintaining the environment.

Week 33

Unit 13: Issues in a Global Environment

1. Analyze issues related to the global environment.
2. Identify trends that affect the global environment.

Week 34

Unit 13: Issues in a Global Environment

3. Describe the effect of agricultural, horticultural, and forestry activities on the environment.

Week 35

Unit 14: Future Environments and Occupational Opportunities

1. Participate in designing alternative futures.
2. Assess personal interests in environmental careers.

Week 36

Unit 14: Future Environments and Occupational Opportunities

3. Evaluate availability of environmental occupations in agricultural, horticultural, and forestry areas.

Week 37

- Have students start work on final project.
- Students will form a PowerPoint on a parcel of land explaining the environmental concerns/effects of building a Wal-Mart.

Week 38

- Final Exams
- Have students turn in/present PowerPoint.