

# **PLT: Forests of the World**

## **Correlations to Utah Core Curriculum Grade 9-12**

### **Health Education**

**Standard 1:** Students develop skills and processes that contribute to the development of a healthy self.

**Objective 1:** Determine the influence of behavioral choices on mental, social, emotional, physical and spiritual health.

**Activity 4.** Patterns of Forest Change

**Activity 5.** Understanding the Impacts of Forest Uses

**Activity 8.** Making Consumer Choices

**Objective 4:** Develop a decision-making process to resolve a dilemma.

**Activity 7.** The World Marketplace

**Activity 8.** Making Consumer Choices

**Standard 7:** Students evaluate health information needed to advocate for personal, peer, family, community and environmental health.

**Objective 2:** Create and implement an advocacy plan to address an unmet health need.

**Activity 6.** Seeking Sustainability: A Global Response

**Activity 8.** Making Consumer Choices

### **Language Arts**

**Standard 1** (Reading): Students will use vocabulary development and an understanding of text elements and structures to comprehend literary and informational grade level text.

**Objective 2** (Comprehension of Informational Text): Comprehend and evaluate informational text (i.e., web pages, newspapers, magazines, encyclopedias, maps, schedules).

**Activity 1.** Making the Global Connection

**Activity 3.** Mapping the World's Forests

**Activity 4.** Patterns of Forest Change

**Activity 5.** Understanding the Impacts of Forest Uses

**Activity 6.** Seeking Sustainability: A Global Response

**Activity 8.** Making Consumer Choices

**Activity 9.** Forests Around the World

**Standard 2** (Writing): Students will write informational and literary text to reflect on and recreate experiences, report observations, and persuade others.

**Objective 1** (Writing to Learn): Compare multiple ideas and perspectives to extend thinking through writing.

**Activity 2.** What's a Forest? Part A and Part B

**Activity 3.** Mapping the World's Forests

**Activity 4.** Patterns of Forest Change

- Activity 6.** Seeking Sustainability: A Global Response
- Activity 8.** Making Consumer Choices
- Activity 9.** Forests Around the World

**Standard 3** (Inquiry/Research/Oral Presentation): Students will understand the process of seeking and giving information in conversations, group discussions, written reports, and oral presentations.

**Objective 1** (Processes of Inquiry): Use the process of inquiry to examine multiple points of view.

- Activity 1.** Making the Global Connection accompanying activity
- Activity 8.** Making Consumer Choices
- Activity 9.** Forests Around the World

**Objective 2** (Written Communication of Inquiry): Write to analyze multiple points of view.

- Activity 8.** Making Consumer Choices
- Activity 9.** Forests Around the World

**Objective 3** (Oral Communication of Inquiry): Conduct interviews to support inquiry.

- Activity 1.** Making the Global Connection accompanying activity
- Activity 8.** Making Consumer Choices
- Activity 9.** Forests Around the World

## **Library Media**

**Standard 1:** Students will define a task and identify information needed.

**Objective 1:** Define an information problem.

- Activity 8.** Making Consumer Choices
- Activity 9.** Forests Around the World

**Objective 2:** Identify the information needed.

- Activity 8.** Making Consumer Choices
- Activity 9.** Forests Around the World

**Standard 2:** Students will identify, evaluate and select resources.

**Objective 1:** Determine a wide range of resources.

- Activity 9.** Forests Around the World

**Objective 2:** Select the best resources.

- Activity 9.** Forests Around the World

**Standard 3:** Students will locate resources and access information within resources.

**Objective 1:** Locate identified resources.

- Activity 7.** The World Marketplace
- Activity 8.** Making Consumer Choices
- Activity 9.** Forests Around the World

**Objective 2:** Access information within resources.

**Activity 7.** The World Marketplace

**Activity 8.** Making Consumer Choices

**Activity 9.** Forests Around the World

**Standard 4:** Students will engage and extract information.

**Objective 1:** Engage information.

**Activity 1.** Making the Global Connection

**Activity 3.** Mapping the World's Forests

**Activity 5.** Understanding the Impacts of Forest Uses

**Activity 6.** Seeking Sustainability: A Global Response

**Activity 8.** Making Consumer Choices

**Activity 9.** Forests Around the World

**Objective 2:** Extract information.

**Activity 1.** Making the Global Connection

**Activity 3.** Mapping the World's Forests

**Activity 5.** Understanding the Impacts of Forest Uses

**Activity 6.** Seeking Sustainability: A Global Response

**Activity 8.** Making Consumer Choices

**Activity 9.** Forests Around the World

**Standard 5:** Students will organize, synthesize and present information.

**Objective 1:** Organize information from multiple resources.

**Activity 1.** Making the Global Connection

**Activity 3.** Mapping the World's Forests

**Activity 6.** Seeking Sustainability: A Global Response

**Activity 8.** Making Consumer Choices

**Activity 9.** Forests Around the World

**Objective 2:** Present the result.

**Activity 1.** Making the Global Connection

**Activity 3.** Mapping the World's Forests

**Activity 6.** Seeking Sustainability: A Global Response

**Activity 8.** Making Consumer Choices

**Activity 9.** Forests Around the World

## **Science Earth Systems**

**Standard 2:** Students will understand that the features of Earth's evolving environment affect living systems, and that life on Earth is unique in the solar system.

**Objective 2:** Analyze how ecosystems differ from each other due to abiotic and biotic factors.

**Activity 2.** What's a Forest?

**Activity 3.** Mapping the World's Forests

**Activity 9.** Forests Around the World

**Objective 3:** Examine Earth's diversity of life as it changes over time.

**Activity 4.** Patterns of Forest Change

**Activity 5.** Understanding the Impacts of Forest Uses

**Activity 6.** Seeking Sustainability: A Global Response

**Activity 8.** Making Consumer Choices

**Standard 4:** Students will understand that water cycles through and between reservoirs in the hydrosphere and affects the other spheres of the Earth system.

**Objective 1:** Explain the water cycle in terms of its reservoirs, the movement between reservoirs, and the energy to move water. Evaluate the importance of freshwater to the biosphere.

**Activity 1.** Making the Global Connection

**Activity 3.** Mapping the World's Forests

**Activity 8.** Making Consumer Choices

**Standard 5:** Students will understand that Earth's atmosphere interacts with and is altered by the lithosphere, hydrosphere, and biosphere.

**Objective 1:** Describe how matter in the atmosphere cycles through other Earth systems.

**Activity 6.** Seeking Sustainability: A Global Response

**Activity 8.** Making Consumer Choices

**Objective 2:** Trace ways in which the atmosphere has been altered by living systems and has itself strongly affected living systems over the course of Earth's history.

**Activity 9.** Forests Around the World

## **Biology**

**Standard 1:** Students will understand that living organisms interact with one another and their environment.

**Objective 1:** Summarize how energy flows through an ecosystem.

**Activity 8.** Making Consumer Choices

**Objective 2:** Explain relationships between matter cycles and organisms.

**Activity 8.** Making Consumer Choices

**Objective 3:** Describe how interactions among organisms and their environment help shape ecosystems.

**Activity 1.** Making the Global Connection

**Activity 3.** Mapping the World's Forests

**Activity 4.** Patterns of Forest Change

**Activity 5.** Understanding the Impacts of Forest Uses

**Activity 7.** The World Marketplace

**Activity 8.** Making Consumer Choices

## **Activity 9. Forests Around the World**

### **Social Studies Geography for Life**

**Standard 1:** Students will understand the world in spatial terms.

**Objective 1:** Use maps and other geographic tools to acquire information from a spatial perspective.

**Activity 1.** Making the Global Connection

**Activity 3.** Mapping the World's Forests

**Activity 4.** Patterns of Forest Change

**Activity 9.** Forests Around the World

**Objective 3:** Analyze the spatial organization of people, places and environments on the earth's surface.

**Activity 1.** Making the Global Connection

**Activity 3.** Mapping the World's Forests

**Activity 4.** Patterns of Forest Change

**Activity 5.** Understanding the Impacts of Forest Uses

**Activity 9.** Forests Around the World

**Standard 2:** Students will understand the human and physical characteristics of places and regions.

**Objective 1:** Interpret place by its human and physical characteristics.

**Activity 4.** Patterns of Forest Change

**Activity 9.** Forests Around the World

**Objective 3:** Evaluate how culture and experience influence the way people live in places and regions.

**Activity 1.** Making the Global Connection

**Activity 2.** What's a Forest?

**Activity 4.** Patterns of Forest Change

**Activity 5.** Understanding the Impacts of Forest Uses

**Activity 9.** Forests Around the World

**Standard 4:** Students will understand how human activities shape the earth's surface.

**Objective 1:** Analyze the characteristics, distribution, and migration of human populations on the earth's surface.

**Activity 1.** Making the Global Connection

**Standard 5:** Students will understand the interaction of physical and human systems.

**Objective 1:** Explore how humans change the environment and how the environment changes humans.

**Activity 4.** Patterns of Forest Change

**Activity 5.** Understanding the Impacts of Forest Uses

**Activity 6.** Seeking Sustainability: A Global Response

**Activity 8.** Making Consumer Choices

**Activity 9.** Forests Around the World

**Objective 2:** Assess the importance of natural and human resources.

- Activity 1.** Making the Global Connection
- Activity 2.** What's a Forest?
- Activity 5.** Understanding the Impacts of Forest Uses
- Activity 6.** Seeking Sustainability: A Global Response
- Activity 7.** The World Marketplace
- Activity 8.** Making Consumer Choices
- Activity 9.** Forests Around the World

**Standard 6:** Students will use geographic knowledge to connect to today's world.

**Objective 1:** Apply geographic concepts to interpret the past.

- Activity 4.** Patterns of Forest Change

**Objective 2:** Apply geographic concepts to interpret the present and plan for the future.

- Activity 1.** Making the Global Connection
- Activity 3.** Mapping the World's Forests
- Activity 4.** Patterns of Forest Change
- Activity 9.** Forests Around the World

## **United States Government and Citizenship**

**Standard 4:** Students will understand the responsibilities of citizens in the US.

**Objective 2:** Investigate ways in which responsible citizens take part in civic life.

- Activity 7.** The World Marketplace

**Objective 3:** Assess methods for respectfully dealing with differences.

- Activity 1.** Making the Global Connection

## **Educational Technology**

**Standard 8:** Select and apply technology tools for research, information analysis, problem solving, and decision-making in content learning.

- Activity 1.** Making the Global Connection
- Activity 2.** What's a Forest?
- Activity 3.** Mapping the World's Forests
- Activity 4.** Patterns of Forest Change
- Activity 5.** Understanding the Impacts of Forest Uses
- Activity 6.** Seeking Sustainability: A Global Response
- Activity 7.** The World Marketplace
- Activity 8.** Making Consumer Choices
- Activity 9.** Forests Around the World

**Standard 10:** Collaborate with peers, experts, and others to contribute to a content-related knowledge base by using technology to compile, synthesize, produce, and disseminate information, models, and other creative works.

- Activity 1.** Making the Global Connection  
**Activity 2.** What's a Forest?  
**Activity 3.** Mapping the World's Forests  
**Activity 4.** Patterns of Forest Change  
**Activity 5.** Understanding the Impacts of Forest Uses  
**Activity 6.** Seeking Sustainability: A Global Response  
**Activity 7.** The World Marketplace  
**Activity 8.** Making Consumer Choices  
**Activity 9.** Forests Around the World

**Activities and the Subjects, Standards and Objectives**  
**With Which They Correlate.**

Key: 7.1 = Standard 7, Objective 1

<b>Activity</b>	<b>Health Education</b>	<b>Language Arts</b>	<b>Library Media</b>	<b>Earth Systems</b>	<b>Biology</b>	<b>Social Studies</b>	<b>Gov't and Citizenship</b>	<b>Educational Tech</b>
<b>Activity 1.</b> Making the Global Connection		1.2 3.1 3.3	4.1 4.2 5.1 5.2	4.1	1.3	1.1 1.3 2.3 4.1 5.2 6.2	4.3	8 10
<b>Activity 2.</b> What's a Forest?		2.1		2.2		2.3 5.2		8 10
<b>Activity 3.</b> Mapping the World's Forests		1.2 2.1	4.1 4.2 5.1 5.2	2.2 4.1	1.3	1.1 1.3 6.2		8 10
<b>Activity 4.</b> Patterns of Forest Change	1.1	1.2 2.1		2.3	1.3	1.1 1.3 2.1 2.3 5.1 6.1 6.2		8 10
<b>Activity 5.</b> Understanding the Impacts of Forest Uses	1.1	1.2	4.1 4.2	2.3	1.3	1.3 2.3 5.1 5.2		8 10

<b>Activity 6.</b> Seeking Sustainability: A Global Response	7.2	1.2 2.1	4.1 4.2 5.1 5.2	2.3 5.1		5.1 5.2		8 10
<b>Activity 7.</b> The World Marketplace	1.4		3.1 3.2		1.3	5.2	4.2	8 10
<b>Activity 8.</b> Making Consumer Choices	1.1 1.4 7.2	1.2 2.1 3.1 3.2 3.3	1.1 1.2 3.1 3.2 4.1 4.2 5.1 5.2	2.3 4.1 5.1	1.1 1.2 1.3	5.1 5.2		8 10
<b>Activity 9.</b> Forests Around the World		1.2 2.1 3.1 3.2 3.3	1.1 1.2 2.1 2.2 3.1 3.2 4.1 4.2 5.1 5.2	2.2 5.2	1.3	1.1 1.3 2.1 2.3 5.1 5.2 6.2		8 10

### **State Science Intended Learning Outcomes**

1. Use science process and thinking skills.
  - a) Observe events and patterns
  - b) Use comparisons
    - Activity 1.** Making the Global Connection
    - Activity 4.** Patterns of Forest Change
2. Manifest scientific attitudes and interests
  - d) resolve social...ecological problems
    - Activity 5.** Understanding the Impacts of Forest Uses
    - Activity 6.** Seeking Sustainability: A Global Response
3. Demonstrate understanding of science concepts, principles and systems
  - a) know and explain science information



- c) apply principles and concepts
  - Activity 3.** Mapping the World's Forests
  - Activity 7.** The World Marketplace
  - Activity 8.** Making Consumer Choices
- 4. Communicate effectively using science language and reasoning
  - a) use reference sources...
    - Activity 9.** Forests Around the World
- 5. Demonstrate awareness of social and historical aspects of science
  - a) cite examples of how science affects human life
    - Activity 7.** The World Marketplace
    - Activity 8.** Making Consumer Choices
- 6. Demonstrate understanding of the nature of science
  - i) understand how science and technology may raise ethical issues for which science, by itself, does not provide solutions
    - Activity 4.** Patterns of Forest Change
    - Activity 6.** Seeking Sustainability: A Global Response