

Environmental Resources

Geography, Water in the World

Year 7

Content Description

Classification of environmental resources and the way that water connects and changes places as it moves through environments.
([AC9HG7K01](#))

VR Learning Activities

Listening and Understanding: Students engage in learning about the classification of environmental resources by exploring key concepts such as **renewable**, **non-renewable**, and **continuous** resources. They listen to detailed explanations of how water plays a role in these classifications, understanding its vital role in shaping environments and supporting life across the globe.

Interactive Exploration: Students participate in a **Virtual Resource Classification Game** where they can explore a virtual landscape and interact with various water-related elements (e.g., rivers, lakes, glaciers, aquifers) using VR controllers or hand gestures. As they classify these resources, they gain insight into how water connects and changes environments. Interactive information panels will also provide additional details, explaining each type of water resource in relation to its environmental impact.

Questioning and Critical Thinking: Students reflect on questions such as: "How do the properties of water influence the environment it passes through?" and "What is the importance of water in both natural and human-made landscapes?" These questions help students think critically about the water cycle and the broader implications of water as a resource in various ecosystems. They also consider the importance of conserving water in a sustainable manner.

Key Learning Areas

Water Resources Classification: Understanding the different types of environmental resources such as renewable, non-renewable, and continuous resources, with a focus on water's classification.

Water Cycle Processes: Exploring the stages of the water cycle, including evaporation, condensation, precipitation, infiltration, and runoff, and their impact on the environment.

Water's Impact on Landscapes: Investigating how water shapes landscapes, including its effects on landforms, ecosystems, and human-made environments.

Environmental Sustainability: Understanding the importance of managing water resources sustainably to support life and ecosystems.

Geography of Water: Exploring how water moves across the globe, connects places, and influences different environments, including its role in climate, ecosystems, and human activities.

Human Interaction with Water: Investigating how human activities impact water resources and the environment, focusing on issues like water usage, conservation, and pollution.

Critical Thinking and Problem Solving: Analyzing the movement of water through different environments and the consequences for ecosystems and human societies, and developing solutions for sustainable water management.

Interactive Learning: Engaging with virtual environments to classify resources, observe the water cycle in action, and explore the effects of water on landscapes and ecosystems.

Environmental Awareness: Promoting an understanding of how different resources (including water) interact within natural and human-made systems, and the importance of protecting these resources for future generations.

