

Global Connections Exchange

Global Scientist A: Water Conservation



OVERVIEW

Topic	Water Conservation
Age range	10-12
Subject	Arts & Sciences
Duration	8 weeks

DESCRIPTION

This course is a study of the importance of water, global water issues and solutions, water pollution, water scarcity, and personal water usage. Students learn through investigations and by collaborating and communicating with global partners.

TASK TOPICS	LEARNING OBJECTIVES Students will:
Task 1: Getting to Know Our Partners	<ul style="list-style-type: none"> be able to share their culture with their global partners by creating a video to describe a typical school day, favorite activities and sports, and favorite holidays or celebrations. interact with their global partners about their videos.
Task 2: The Water Cycle	<ul style="list-style-type: none"> learn about the water cycle. learn about how the water cycle works in their own and their partners' environment.
Task 3: The Importance of Water in Our Community	<ul style="list-style-type: none"> demonstrate understanding of the importance of water for life in their community and their partners' community. learn about groundwater and aquifers and how they can become polluted.
Task 4: How Much Water Do We Need?	<ul style="list-style-type: none"> learn about global water scarcity. calculate their personal water usage to learn about how much water they use on average. Then compare it to their partners' average use. learn about how to reduce water usage.
Task 5: Reflection	<ul style="list-style-type: none"> reflect on the importance of water, global water issues and solutions, the water cycle, water. reflect on pollution, water scarcity and personal water usage in their own and other cultures. reflect on their culture and water related learning with their global partner.

United Nations Sustainable Development Goals (UN SDGs)

- Goal 6** Ensure availability and sustainable management of water and sanitation for all
- Goal 14** Conserve and sustainably use the oceans, seas and marine resources for sustainable development

ISTE Student Standards

- 1.1 Empowered Learner
- 1.2 Digital Citizen
- 1.3 Knowledge Constructor
- 1.4 Innovative Designer
- 1.5 Computational Thinker
- 1.6 Creative Communicator
- 1.7 Global Collaborator