

Expedition: Freshwater Ecosystems Preservation

Timeline: 8 weeks

Grade: 8th

Guiding Questions:

- What makes up a freshwater ecosystem?
- Why are freshwater ecosystems so important?
- What activities are destroying the freshwater ecosystems and what can we do to preserve them?

Learning Targets:

- I can recreate a Freshwater Ecosystem in an artificial environment.
- I can identify all the necessary biotic and abiotic factors that make up a Freshwater Ecosystem.
- I can teach others about the importance of preserving our freshwater ecosystems.

Semester: Spring

Week	Language	Math	Science	Social Studies	Art/Music	Computer	Biblical Int.
1	Research and writing of a persuasive essay about freshwater ecosystems preservation.	Learning about fish using fractions numbers.	Video about freshwater ecosystems "Planet Earth"		Black and white drawings of living organisms from freshwater ecosystems.		Concepts of biblical stewardship and taking care of what god has entrusted to us.
2		Calculate dimension for amount of glass needed to assemble fish tank.	BBK Freshwater Ecosystems.				
3		Determine amount of water that fish tank will hold.	Fieldtrip to Fish farms at Piedra Blanca. Expert speech about beneficial aspects about aquaculture and fishing activities.				
4	Debate about whether or not preserve or protect Freshwater Ecosystems.		Cycles of life involved in a freshwater ecosystem.				
5			Posters and/or slide shows about aquaculture and other related topics.				
6	Translate essays and debates to Spanish in Spanish Class.		Recreation of a FWE. Students built a glass aquarium. Decisions taken by students about all features to add to it.				
7							
8							
9							
10							
11							

Products:

- Drawing of animals and plants related to FWE.
- Freshwater Aquarium
- English Debates

Service Projects:

- Cleaning campaign of Jarabacoa's freshwater resources.