



Science Lesson 15: Hawaiian Ocean Resource Management in Ancient and Modern Times

Hawaii DOE Content Standards:

Science standards: 2

Key concept:

Humanity's present and future is dependent upon the management of natural resources

Performance indicators:

After completing this lesson, students will discuss the role of government in managing environmental resources, and the scientific information used to make these decisions, and also how to compare this process to traditional Hawaiian resource management.

Note to the student:

"When you have completed this lesson, you will be able to understand the reasons for fishing and hunting seasons"

Activity at a glance:

Students will role play government and fishermen interaction on ocean resource management, and learn to recognize, and empathize with, their respective short and long term concerns.

Time:

One class period

Prerequisite skills: none

Skills to be introduced: role playing

Assessment:

Report on a managed species detailing current laws, the reasons for these laws, and any historical management practices. Write a position paper for, or against, these management practices.

Vocabulary: Stewardship, fishing season, protected species, endangered species

Activity Overview

1. Question students on the needs and concerns of government regulators, conservationists, fishermen, and hunters.
2. Ask students how the relationship between government and those living off ocean resources might have differed historically in Hawai'i, and elsewhere. Also, what are the reasons, if any, for differences in resource management in Hawai'i's past and present, and elsewhere?
3. Ask students to role play a confrontation between a harvester and a law enforcement officer.
4. Discuss what issues and views were expressed.
5. Have students switch roles, and modify the encounter to reflect ancient times.
6. Change the roles again, this time playing the scenario out in a court room with a defendant plaintiff and judge.

Cultural Values

Kokua

Taking initiative, doing service, clean up, maintenance

Lokahi

Unity, harmony, leadership skills

Adaptations/Extensions

Division of Aquatic Resources regulations (www.state.hi.us/dlnr/dar)

