



STUDENT ASSESSMENT OVERVIEW

UNIT ESSENTIAL QUESTION

How are human activities affecting coral reefs in Kāne'ōhe Bay and what can we do to *hō'ihi* (respect) the bay and promote sustainability?

NĀ HONUA MAULI OLA (NHMO) – HAWAIIAN GUIDELINES IN THIS UNIT

- Apply cultural and traditional knowledge of the past to the present.
- Understand and appreciate the importance of Hawaiian cultural traditions, language, history, and values.
- Be keen observers of their natural environment.
- Honor and respect personal and community resources.
- Preserve, protect and sustain a healthy environment.



GENERAL LEARNER OUTCOMES (GLOs) IN THIS UNIT

- **GLO 2:** Cooperate with and help and encourage others in group situations.
- **GLO 5:** Communicate effectively and clearly through speaking, using appropriate forms, conventions, and styles to convey ideas and information.

INDIVIDUAL LEARNING LOG

You are responsible for completing student sheets and other written and illustrated assignments and keeping them in your Learning Log. You earn points for each assignment. Following is a checklist of the assignments you will need to complete in your Learning Log:

LESSONS, STANDARDS, AND LEARNING LOGS	COMPLETED ✓
1. Fishing Links - Science 3, Language Arts 4 <ul style="list-style-type: none"> • Learning Log – 1 • Learning Log – 2 	
2. Passing on the Energy - Science 3, Math 1 <ul style="list-style-type: none"> • Learning Log – 3 	
3. Are We Related? - Science 4 <ul style="list-style-type: none"> • Learning Log – 4 	
4. Looking to the Kūpuna (Elders) - Science 1 and 2, Language Arts 1 <ul style="list-style-type: none"> • Learning Log – 5 	
5. The Case of the Invaded Reef Part 1 - Science 1, Language Arts 5 <ul style="list-style-type: none"> • Learning Log – 6 	
6. The Case of the Invaded Reef Part 2 - Science 1 and 3, Math 11, Language Arts 4, 5 and 6 <ul style="list-style-type: none"> • Learning Log – 7 	



GROUP PROJECT: DUE AT END OF UNIT ON _____

- Work with a team to complete and present a project that educates others in the community about how human activities are affecting coral reefs in Kāne'ohe Bay and what can we do to *hō'ihi* (respect) the bay and promote sustainability.
- We will divide into teams that will each explore a different topic related to this question. Your team can select from the following list of topics or select a different topic (with approval):

GROUP PROJECT TOPICS

Effect of _____ on coral reefs and what is being done to solve the problem

Groups select one:

Gill nets

Nitrate pollutants

Marine debris

Sediments from run-off

Overfishing

Alien *limu* (seaweed)

Other _____

- Present information about the problem using photographs and/or other visuals either in a PowerPoint presentation or using display boards.
- Include solutions, by addressing what is being done and/or what should be done to solve the problem.
- Grades will be based on a rubric that we will review.

INDIVIDUAL PROJECT: DUE AT END OF UNIT ON _____

Write a paper on the topic your group explored to explain how human activities are affecting coral reefs and what can be done to keep the reefs of Kāne'ohe Bay healthy for the future.

CRITERIA FOR GRADING

Your paper should include:

- An introductory paragraph that clearly states what is covered in the paper
- At least two paragraphs that describe how the problem is affecting the coral reefs in the bay, including information from research
- At least one paragraph with a thoughtful and accurate explanation of how human activities today could affect future generations' ability to use the bay (sustainability)
- A paragraph with a clear statement of what should be done to show *hō'ihi* (respect) for Kāne'ohe Bay and why
- A conclusion that clearly summarizes the problem and solutions
- Organization of ideas for clarity
- Correct use of writing conventions (spelling, punctuation, and grammar)
- Use of at least three references and proper citation of references