



GIVING BACK TO THE 'ĀINA

LEARNING LOG 9

NAMES _____

DATE _____

Proposal Title: _____

Your proposal should include:

- Sketch showing the dimensions of the garden plot (this can be a border or a garden plot, or scattered planting)
- List of the plants you want to include in the garden
- Budget for the garden including plants, fertilizer or other needs
- Plan for caring for the garden

➤ Be prepared to present your proposal to the school community. Include a summary of what you have learned about changes to Moanalua over time to explain why planting native plants is a good idea.

➤ Project due on: _____

* The following native plants are recommended for leeward area schoolyards: koa, māmaki, 'ākia, pōhinahina, kokio ke'oke'o



GIVING BACK TO THE 'ĀINA

NEWSPAPER PROJECT INSTRUCTIONS

NAME _____

DATE _____

UNIT ESSENTIAL QUESTION

How has our ahupua'a changed over time and what can we do to mālama 'āina today?

1. Write your own newspaper with 4 amazing, informative and captivating articles:

Three required ahupua'a articles (Be sure you answer the unit essential question above.)

- Ahupua'a Article: a feature article focused on the theme of change in our ahupua'a
- Botany Column: a non-fiction/research article about a native or Polynesian-introduced plant of your choice
- Reflection - a personal narrative reflecting on our community service in Kamananui Valley and why it is important to mālama 'āina (care for the land)

One free choice article (Choose your own topic from the following):

- Alien Invaders: what makes alien plants succeed and what can we do about it?
- Mo'olelo of Moanalua: Retell one of the mo'olelo you have learned about Moanalua
- Hula of Moanalua: Describe what you have learned about the significance of hula in Moanalua

2. Format your newspaper (see the illustration).

- Your 4 articles and any artwork must fit on 1 page 11" x 17".
- The font size for column text should be 12-point.
- Include one photo or illustration with your Ahupua'a Feature Article.
- Include an illustration of the plant featured in your Botany Column.
- Make sure that there is an appropriate balance between the text, white space, and graphics. (Look at a regular newspaper for a guideline!)
- The length of your articles is less important than strong writing traits. Make sure you've written enough in each of your writing pieces to fully develop your content and ideas.

3. Give yourself a score on a scale of 1 to 4 using the rubric provided.

| | |
|-----------------------|-----------|
| --Newspaper Title---- | |
| Article 1 | Article 2 |
| Article 3 | Article 4 |

My score for social studies: _____

My score for language arts: _____

The blue fruits of this plant are filled! Pick one and see what is inside. Then pass the fruit to your leader so we don't spread them like the birds do.

Did you know? This plant is sometimes called “Koster’s curse,” named after the person who introduced it to Hawai‘i!



Your tūtū has asked you to gather **kukui** nuts. She has a mo‘olelo to share with you tonight. The nuts will make a kukui candle called ihoiho kukui. **Hint:** Look near the 3rd bridge for a tree with whitish leaves that have 3 - 5 points. Some say the leaves are shaped like the head of a pua‘a (pig). Look for its ears and snout.

Did you know? Hawaiians used the oil and nuts for medicine, and the nut’s black pigment for tattoos.



Your father is making a fish net. He has asked you to collect some hau branches. He wants to make floats for the net and make strong cordage. **Hint:** Look for a plant with heart-shaped leaves.

Did you know? Hawaiians also used this plant for medicine, sandals, and making fire.



Your ‘ohana needs to weave some mats for your hale. Find a **hala** tree with long leaves that you can use for weaving.

Hint: Look before the 5th bridge, near the cobblestone road for a tree with prop roots that grow above the ground.

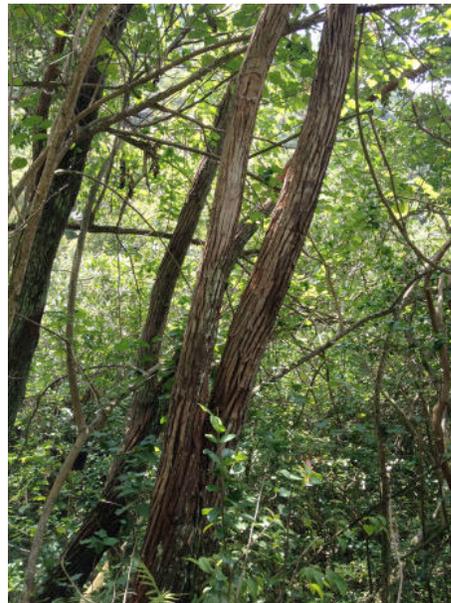
Did you know? Impressions from the seeds of hala have been found in old lava rock on Kaua‘i.



Many types of **eucalyptus** trees were introduced to help stop erosion after forests were cleared in Hawai‘i.

Hint: Look for these trees near the first bridge.

Did you know? This tree has a chemical in its leaves that is preventing something. What do you think that is?



This plant has spores on some of its fronds. In more modern times it is often used in lei and decorations. You may see hula dancers with lei made from **laua‘e**.

Hint: Look for the stiff fronds with deep lobes.



Your mother has sent you into the valley to gather 'ōhi'a 'ai (mountain apples). Can you find this tree? **Hint:** Look for this tree across from the 6th bridge under a big mango tree.

Did you know? The flowers of this plant are similar to the 'ōhi'a. Look for the fruits in July, August and November.



Birds eat the tasty **strawberry guava** fruit of this tree and help to spread it. New sprouts also come up from the roots of the trees. People like to collect the fruits to eat, but this "crowder" is out of place in Hawaiian forests.

Hint: Look for its smooth light brown bark.



Your hale (house) needs another support to keep it strong. Find the 'ōhi'a tree that is cut for posts.

Hint: Look near the 6th bridge for a tree with tiny leaves. It may not be in flower.

Did you know? This is often the first tree to grow on a cooled lava flow; its blossoms are sacred to the volcano goddess, Pele.



Your hula hālau is gathering ferns to make kūpe'e for your wrists and ankles. Find the pala'ā fern that can be used for this purpose. **Hint:** This beautiful fern has lacy leaves.

Did you know? The spores of ferns are easily spread on the wind.

