

'Ewa 'Āina Education Initiative

Unit Plan: The Plants of the `Ewa Moku

Created by Michelle Matsumoto

`Ewa `Āina Site: Hanekēhau Learning Farm

Hawaiian Culture-Based Lens	Cross Cutting Content	Instructional Design
<ul style="list-style-type: none"> ● Pīlina Kaiāulu: Community Integration informed by a Hawaiian sense of place ● Mālama `Āina: Land stewardship focusing on sustainability and a familiar connection 	<ul style="list-style-type: none"> ● Vocational/Job Skills ● Food production ● Health-Total well-being ● Networked systems - finding or creating connections 	<ul style="list-style-type: none"> ● Stewardship - Sustainability ● Oral Presentation ● Peer/'Ohana/Community Education-Action ● Student Choice - task

Essential Question/s (3 max) that unit will address

1. Why and what native plants are important to our 'Āina?
2. How can I use local/native plants in my daily life?
3. What do native plants need in order to survive, specifically in the Leeward area? What can we do to help ensure continuous growth of the native plants?

Target grade: High School (SPED FSC)

Target subject: Vocational / Daily Living Education

Background Information

Detailed background information for Hanekēhau Learning Farm available via the following URL:

https://drive.google.com/file/d/1nN15Skk4juAVn1FaBc3Kl_ly2dyVhosT/view?usp=sharing

The information below is summarized from the Halau o Pu`uloa: Ewa `Āina Inventory.

A direct link to this resources available via the following URL:

https://www.ksbe.edu/assets/site/special_section/regions/ewa/Halau_o_Puuloa_Waiawa.pdf

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Hanakēhau Learning Farm is a grassroots 'ohana dedicated to reclaiming and providing cultural space for our lāhui to learn, practice, and engage in Hawaiian traditions and practices. Located in Waiawa Kai, on the shores Pu'uloa, they work to restore the 'āina in an area heavily impacted by a long history of military misuse, illegal dumping, and pollution. Hanakēhau's mission is to reclaim and to restore Hawaiian lands and provide the means and resources for Hawaiians to engage in traditional practices by creating Hawaiian cultural space. Much of our work focuses on hana no'eau — creating traditional and modern Hawaiian implements — and using those implements in our daily practice to grow our Hawaiian consciousness and understanding. Their vision is a future in which cultural practice is once again integrated into the daily lives of Hawaiian people along with the consciousness and kuleana that goes with it. Makua, through their everyday routines, transfer the 'ike of the hana no'eau to their keiki who are knowledgeable, comfortable, and humble in their practice. Where pohaku ku'i'ai and other implements are used to pound kalo and not gathering dust on display shelves.

Background Information cont.

The following mana`o was shared by the Hanakāhau `āina stewards during a site visit to Hanakehau Learning Farm (11/10/2020)

- The site was part of konohiki Victoria Kamāmalu's land that was part of a land trade as the capital of the Hawaiian kingdom was moved to Honolulu.
- The Mahele - this site is now Kamehameha Land - part of a pocket of kuleana lands in Waiawa Kai. Adjacent are kuleana lands owned by the Young (Keawe) family, Kuhialoko kuleana lands managed by Ali'i Minor and his `ohana for generations and Kuhiawaho.
- One excellent source of mana`o are the mahele records and associated testimony. Hawaiians had to testify about what was grown on their lands to be "awarded" land during the mahele.
- The place names and waters of Waiawa are important.
- Planting native species is an ongoing part of the work at this site - kou, pohinahina, ilima, a`ali`i
- Cultural restoration - the ahu, plants and implements for cultural practitioners for this reason they also grow mai`a, wauke, ka`i kalo, awa, kukui - all culturally important plants

Sequential Unit Plan Lesson Outline

Lesson Title: Living 808: From Seed to Plant to Table	Time Estimate in Hours
Unit Intro:	
Lesson 1 - Growing a Plant From Seed - What do plants need to survive in the Leeward area, specifically at Hanakehau Learning Farm. <ul style="list-style-type: none">- Intro video, cut and paste activity- Practice growing hardy edible plants- Start growing plants that can be given to Hanakehau	1 hour to do lesson, 15 minutes daily to take care of plants and make weekly observations
Lesson 2 - Native Hawaiian Plants - Hanakehau Learning Farm - Importance of native plants to this specific area <ul style="list-style-type: none">- Talk about Hanakehau Learning Farm, show pictures of site- Prep for field trip to site	3 hours - Lesson, field trip to site, debrief
Lesson 3 - Daily Uses of Native Plants - How are these plant used in our daily lives (food, culture, economy) <ul style="list-style-type: none">- Choose a recipe and a product item (ie: lei) to make using homegrown plants	2 hours - discuss uses, decide on dish to make and cook the dish, debrief

Unit Assessment Plan

Formative Assessment Methods Used On a Regular Basis Throughout Unit

- 1) Cut and paste activities and oral questioning to assess knowledge, pre and post
- 2) Pictures and/or videos of students before, during and after on a given task
- 3) Anecdotal data: student comments, sharing of knowledge of their plants that they grew, what they did with their plants and recipe they made.

Summative Assessment/s (Include assessment evaluation criteria: checklists, rubrics, test/key, reflection prompts)

- It is highly recommended that summative assessment is project based.
- Copy and paste entire document/s and/or screenshots in this section.
- Links to exemplars may be included and please submit the associated files. Consult program managers for required formatting

Preparation of a dish or making of a product using a native plant that he/she grew (or chose to grow).
Oral or AAC device response to essential questions.