

Kōkua Moloka'i Teacher Workshop Overview



Teacher Workshop

1 DAY OF 'ĀINA BASED SCIENCE & CULTURAL STUDY

Morning Site: LANIKAULA

Afternoon Site: KAUPAPALO'I O KA'AMOLA



FRIDAY, AUGUST 16, 2024 | 8:30 AM-3:30 PM

Program Website:

LearningEndeavors.org/Molokai

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Offered by Learning Endeavors



Funded by a NOAA B-WET Grant

In Partnership with:



Ka Ipu Makani



August 16, 2024

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Schedule for August 16, 2024

8:00 AM	Gather at MCC, complete waivers
8:30 AM	Depart for Lanikaula (transport van)
9:30 AM	Arrive at Lanikaula - Hosted by Uncle Bobby Alcain
9:30 AM	Oli, introductions
10:00 AM	Moʻolelo and talk story
10:30 AM	Snack / Break
10:45-11:15	Kōkua Molokaʻi approach - teaching and learning ideas
11:15-12:15	Kōkua Molokaʻi work time
12:15-12:45	Lunch
1:00-1:30	Drive
1:30-3:00	Kaʻamola Loʻi - Hosted by Kumu Nahulu Maioho Introduction, watershed education, work time
3:00-3:15	Closing
3:15-3:30	Drive to MCC Parking Lot

The Kōkua Molokaʻi Program

The Kōkua Molokaʻi Program is operated by Learning Endeavors, a nonprofit based on the island of Maui whose mission is to develop and manage innovative education programs in Hawaiʻi and beyond. Kōkua Molokaʻi is funded by a NOAA Bay Watershed Education and Training Grant (B-WET). It consists of Expeditions for Youth and Expeditions for Educators offered now through 2025. In addition to this program, over the past 5 years, Learning Endeavors offered the Champions of Coastal Resilience Program (CCR), a climate science education program with teacher training, curriculum, and camps for youth. Partners include the Molokai 21st Century Community Learning Center, the Molokai Land Trust, and several others.

What is the *Kōkua Molokaʻi: Expeditions for Youth* Program?

Kōkua Molokaʻi: Expeditions for Youth is a 2-year grant funded program that will provide six 2-day camps for youth 10-13 years old and two 1-day teacher workshops at various natural locations around Molokaʻi. The purpose is to facilitate meaningful, place-based experiences for students and teachers that increase environmental and cultural literacy, while inspiring stewardship.



About the NOAA B-WET Grant:

The B-WET program is an environmental education program that promotes place-based experiential learning for K–12 students and related professional development for teachers.

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The Kōkua Molokaʻi Approach

The overarching goals of *Kōkua Molokaʻi* are for youth to discover indigenous local knowledge, identify ecological issues, explore current stewardship strategies at each site, and engage in helpful action. The combined activities will help to build a holistic vision of watershed health and caretaking going forward. The four elements of the NOAA BWET Meaningful Watershed Education Experience (MWEE) are issue definition, outdoor field experiences, synthesis/conclusions, and action; these are embedded throughout each expedition and within the resource kit materials.

A Mystery Solving Adventure

Youth thrive on fun, games, and adventure, so they deserve engaging, hands-on experiences rather than passive lectures. Each expedition immerses them in a mystery-solving adventure where they find clues, analyze scientific and cultural data, and draw conclusions through interactive learning. Every day, expedition participants embark on a scavenger hunt-like experience, solving mysteries in three categories: 1. The Ahupuaʻa, 2. Mālama ʻĀina, and 3. Kōkua Molokaʻi.

Overview of the Kōkua Molokaʻi Approach:

1. The Ahupuaʻa:

Essential Question: What is the biocultural significance of this place?

Students learn place based knowledge and learn to share land acknowledgement for the field excursion location.

2. Mālama ʻĀina:

Essential Question: What are the ecological issues impacting this location and what are the current stewardship efforts?

Students identify the ecological issue(s) of focus for the expedition's location and explore how local experts are engaged in mālama ʻāina efforts.

3. Kōkua Molokaʻi:

Essential Question: How can I help be a steward for this location?

Students discover how they can engage in direct stewardship activities (i.e. tree planting, invasive species removal, site restoration, trash removal, etc.) to help the ongoing stewardship efforts. A short PSA video is created by the program interns to bring awareness to the community.

Examples of Kōkua Molokaʻi MWEE mysteries follow below:

Example #1: Ahupuaʻa Mystery (appropriate at Koheo Wetland site) “Moʻolelo of the Kioea- The Mystery of Migration” Clues provided include a story from ethnologist Mary Kawena Pukui from 1961 about Molokaʻi Kupuna and the Kioea - the Bristle Thighed Curlew, as well as pictures of this migratory shore bird in Hawaiʻi and in Alaska.

Example #2: Mālama ʻĀina Mystery (appropriate for any site, customized to native vegetation) “Watershed at Work - The Red Dirt Mystery of Erosion”; Clues provided include pictures or flagged areas nearby of red dirt and a mini stream table lab experiment, and live or pictured experts planting native vegetation in action.

Example #3: Kōkua Molokaʻi Mystery (appropriate to cliff dunes site)

“Uaʻu Kani - The Mystery of the Empty Seabird Burrow”; Clues provided include pictures of the Uaʻu Kani chicks and active nesting along with feral cats. A nearby flagged or pictured burrow is empty. Students take action to help seabirds.

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Teacher Resources



Teacher Printed Resources

- Kōkua Moloka'i Journal Prompts
- Kōkua Moloka'i Field Sheet
- Lanikaula No Moloka'i.PDF
- Selected 'Ōlelo No'eau
- Why Watersheds? (slideshow)
- Kukui Nut Tree Report
- Hawaii Place Names
- Kaupapalo'i O Ka'amola (digital link below)
 - by Ka Ipu Makani Cultural Center

*All printed resources are also available on the
LE Kōkua Moloka'i Website. See below.*

Teacher Resource Kit

- Tote Bag
- Clip Board
- Topo Map of Molokai
- Hawaii Trees and Shrubs Guide
- Hawaii Birds and their Habitats Guide
- Binoculars
- Stickers/Tattoos
- Writing Journal
- Printed Resources

Kōkua Moloka'i Community Partners:

- 21st Century Community Learning Centers
- Molokai Land Trust
- Ka Ipu Makani Cultural Heritage Center

Key Websites:

Learning Endeavors Website: <https://www.learningendeavors.org/>

Kōkua Moloka'i Program Page: <https://www.learningendeavors.org/molokai>

Ka Ipu Makani Website: <http://www.kaipumakanichc.org/>

Kaupapa Lo'i o Ka'amola StoryMap:

<https://storymaps.arcgis.com/stories/ef008e951608453aa56afe11f5714845>