Welcome

Today's Agenda

1. Provide information about the Kahihi Project
2. Explore the components of our WebQuests
3. Share information about upcoming WebQuests

What we know...

Technology is NOT the wave of the future - we are living in the technological era.
This project looked at the academic achievement of students, especially those identified as at-risk, or with disabilities and especially Native Hawaiian students.

We saw a need to increase learning outcomes especially in Math and Science.

We saw a way in which we could "bridge the gap" by developing standards-based math and science WebQuests (WQs).

So to start, we focused on grades 4-7.
A WebQuest is an inquiry-oriented, supplemental activity, (where most, if not all of the information that learners interact with comes from resources on the internet).

### A WebQuest is

- used to deepen understanding;
- structured;
- student-centered;
- designed in a specific format;
- meant to take one class period or one period plus homework;
- developed by an adult, for the learner;
- completed alone, in pairs or small groups.

### A WebQuest is not

- in lieu of direct instruction (doesn’t replace quality teaching);
- used for those who complete work early;
- long term (span over weeks);
- where students search for sites.

http://www.webquest.hawaii.edu/kahihi/
Aligned with Hawai'i Standards and Benchmarks
Each WebQuest has a lesson plan format which consists of 9 parts:

- Welcome
- Introduction
- Background
- Outcome
- Evaluation
- Steps
- Reflection
- Feedback
- Resources
The **INTRODUCTION**

prompts the learner’s thinking about the topic,
through a series of questions
or a brief explanation,
with the intention of
“hooking the learner.”
The **BACKGROUND**
gives the learner
a bit more insight into the subject matter,
but not
too much to give it away!

The **OUTCOME**
explicitly informs the learner of the
result (product) of the WebQuest
using the design feature called
Backward Design.
The **EVALUATION** displays the actual rubric used to assess the learner's product.
### Advanced Organizer

**Click to advance**

This WebQuest is about . . .

**Geometry**
Custom-built Dictionary

Math Dictionary

Supporting Dictionary
Videos

- Select the first video to see what the people are discussing.
- Press PAUSE to stop the video and ask questions.
- Press PLAY to play the video again.

Interactive Websites

- Hokule'a: Sailing in Micronesia and Japan
- Click on the interactive map to explore the journey.
REFLECTION

asks the learner to identify, extend or apply their newly acquired understandings as a result of completing that particular WebQuest.

FEEDBACK

asks the learner for his/her personal opinion and/or advice about the effectiveness of the particular WebQuest.
What’s to come

- Science
- School Gardens
- Renewable Energy
- Math

Preparing:
- Soil: composition, compost, and mulching
- Plants: types, seeds, and starts
- Vermiculture
- Irrigation systems

Planning:
- Garden design, and themes
- Types: aquaculture, limu gardening, taro lo‘i
- Nutrition: diet, vitamins, health
- Organic gardening

Protecting:
- Watering
- Pest control
- Fertilizing
- Weather
- Thinning and pruning

Values:
- Respect and stewardship of the land
- Chanting about nature and respect of the ‘aina
- Writing, painting, drawing about gardens and nature

Planting:
- How to plant
- Tools
- Composting
- Hawaiian calendar

Picking:
- Harvesting
- Nutrition
- Cooking and recipes
- Food preparation: imu
- Marketing, transporting, and sharing produce

Discover Renewable Energy in Hawai’i
Math

Making it Match
6.6.1

Hakamoa – Wrestling in the Circle
7.4.3

Flying High – The Colors of Hawai‘i
7.4.2

Explore the WebQuest site on your own
http://www.webquest.hawaii.edu/kahihi

Additional Questions?
email us at cds@hawaii.edu

We’d love to hear from you!
Please provide feedback!