

## Contact Us

### **Want help? Contact Us!**

*[lisa.m.galloway@gmail.com](mailto:lisa.m.galloway@gmail.com)*

*[vacrabb@alulike.org](mailto:vacrabb@alulike.org)*

*[elryder@alulike.org](mailto:elryder@alulike.org)*

*Fax: (808) 956-7878*

## About the Project Team:

The Center on Disability Studies at the College of Education at the University of Hawai'i at Mānoa and ALU LIKE, Inc. at Nānākuli partnered on this project from October 2005 to summer 2009.

### *How to get this FREE curriculum package:*

The binder, films and compact disk with additional resources will be mailed to all Hawai'i state DOE public and charter high schools in 2009 (one each).

To make sure you get your own copy, go to [www.cds.hawaii.edu/kahana](http://www.cds.hawaii.edu/kahana) and complete the pop-up survey or contact us via email (see above).

You can also check our Web site for updated curriculum materials available in PDF & editable Word formats. These will remain online in future & updates plus additional resources will be found there indefinitely.

*Mahalo for your interest!*

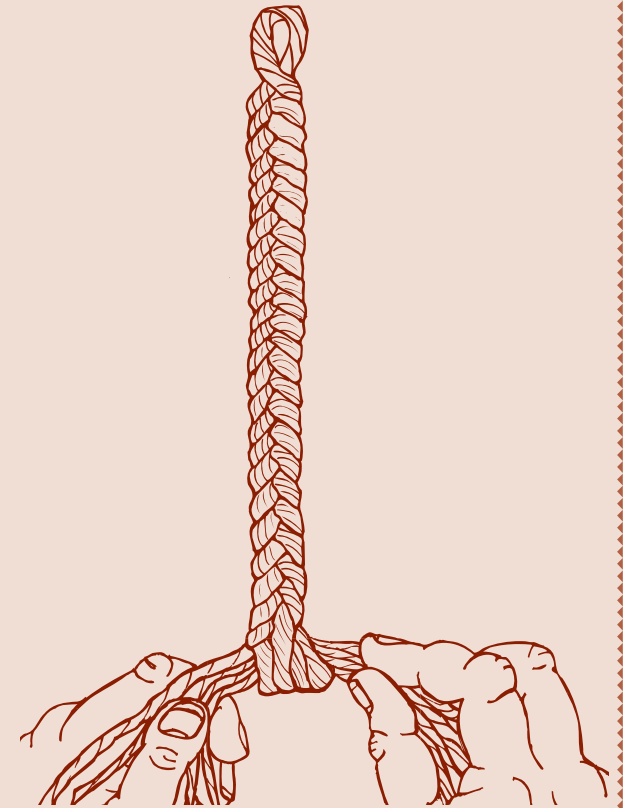
Center on Disability Studies  
1776 University Ave, UA 1-5  
College of Education,  
University of Hawai'i  
Honolulu, HI 96822

To:

# Ka Hana 'Imi Na'auao

A Science Careers Curriculum Resource

Nurturing Hawaiian Scientists...



...for Hawai'i's Future

[www.cds.hawaii.edu/kahana](http://www.cds.hawaii.edu/kahana)

# The Curriculum at a Glance

These units are meant to link the wisdom of *The Kāhuna: Versatile Masters of Old Hawai'i* (by L. McBride) with the seeking of modern scientific knowledge.

Lessons, which can supplement typical DOE high school science classes, are designed to inspire students with labs, trips, guests, films, technology, hands-on projects & the issues & career opportunities relevant to all of us in Hawai'i.



We walk in the footsteps of Hawai'i's ancient scientists (Kilauea)

## Start with Unit #1...

### Unit 1: A'o Hawai'i—Reciprocal Teaching & Learning

*'Aha (Council) & A Mau A Mau Videos; 'Aha Weaving; 'Ohana/Family Surveys; Nā Kāhuna Reading & Activity; A'o (Reciprocal Teaching & Learning) Video & Reading; Hawaiian Learning Posters; Lolo Po'o—How Our Brain Works Reading; Bulletin Board Project*

## Integrate Unit #2 for a few weeks or over the year...

### Unit 2: Na 'Oihana—Careers

*Mea 'Imi Na'auao O Hawai'i (Scientists) Video; Career Choice Assessments; Science Career Research Project; Experimental Project; Career Goal Setting & Preparation; Finding a Mentor*

## Choose any Unit from #3 to #9 to blend cultural & science learning...

### Unit 3: Lapa'au & Mea'ai—Healers & Food Science

*Lapa'au (Healing) Video; Peppermint Test & Activity; Family Health Survey & Alternative Medicine Research Project; La'au Lapa'au Activities & Test; Heart Rate Lab; Medicinal Canoe Plants PPT*

### Unit 4: Kilohonua & Kalawai—Geology & Hydrology

*Pele Reading; Island Evolution Lab; Volcanoes Readings, Demo, Lab & PPT; Soils & Filtration Demo, Lab & PPT; Water Sources & Issues Reading & Activity; Conductivity Tester Making*

### Unit 5: Ho'oulu 'Ai—Botany & Agriculture

*Tropical Agriculture Video; Hāloa Reading; Kalo Poster; Lo'i PPT; Moon Phase Kalo Planting & Pa'ina (Feast); How Plants Work; Cells & Organelles Reading & PPT; Chromatography Lab; Evolution & Hawai'i Birds PPT; DNA PPT; GMOs Reading*

### Unit 6: Nānā Uli—Climatology & Meteorology

*Weather Jeopardy Game PPT; HI's Climates & Hawaiian Meteorology PPTs & Activities; Hawaii's Climate Crisis Video; Resources for An Inconvenient Truth Film; Air Pressure & Clouds Demo, Lab & Readings; Meteorological Tools PPT, Readings, Lab & Projects*

### Unit 7: Kilo Hoku—Astronomy

*Hawaii's Astronomy Timeline & Wayfinding Readings; Solar System PPT; Scale & Weights on Mars Activities; Hubble Space Images PPT; Telescope-Making & Research Projects; Craters, Volcanoes & Glaciers In Space; Making Inferences*

### Unit 8: Kuhikuhipu'uone Wiliki—Architecture & Engineering

*Water & Wave Energy in Hawai'i Reading, Debate & PPT; Past & Future of Hawaiian Building Readings; Earthquake Lab; Engineers In Hawai'i Video; Hale Maquette & Water Energy Projects, Lab & Demo*

### Unit 9: Kilo Moana—Ocean Science

*Microbe City Lab; Kilo Moana Video; Ocean Ecosystems PPT & Biogeochemical Cycles Readings; Intertidal Pond Modeling & Mapping Activities; Quadrat Making, Sampling & Transect Data Activities; 'Akulikuli Readings & Project, and more!*

## Weave all unit learning into Unit #10 to complete the year....

### Unit 10: Ka 'Aha Mua—Future Resource Management

*Empire to 'Aha Reading; Group Community Action Projects, PSA PPT & Video, & Ho'ike (Exhibiting); Legislative Testimony "How To"; Future 'Aha Survey; Hawaii-2050, Fair Trade, Go Green Hawai'i, & the Story of Stuff Resources*

**Approved by HI's DOE!** This is a state approved supplemental curriculum. HCPS III are identified for all materials & tests as are the Native Hawaiian Education Association's Learner Guidelines.