“Aloha” is defined in the Hawaiian dictionary (Pukui & Elbert) as follows: love, affection, compassion, mercy, sympathy, pity, kindness, sentiment, grace, charity; greeting salutation, regards; sweetheart, lover, loved one; beloved, loving, kind, compassionate, charitable, lovable; to love, be fond of; to show kindness, mercy, pity, charity, affection; to venerate; to remember with affection; to greet, hail. Hello! Good-bye! Farewell! Alas! Greetings!

This curriculum is offered to you with aloha nui (much aloha).

Welcome to Science in Hawai‘i: Nā Hana Ma Ka Ahupua‘a – A Culturally Responsive Curriculum Project

This curriculum offers middle & high school teachers over 1 year of General Science Lessons (astronomy, biology, botany, chemistry, geology, plus marine, physical & environmental sciences). All materials are centered on the interdependence of natural resources in our watersheds, the Ahupua’a of Hawai‘i.

These resources (also available at www.SciHi.hawaii.edu) are intended specifically to help teachers who want to know more about Hawaiian history, culture and values, and how each relates to the sciences. All materials have been field tested, unless the word “draft” appears in the footer. A suggested scope and sequence is given for each unit, but all materials can be used independently of one another, and teachers are encouraged to design their own units &/or use any of these materials to augment their courses. The Index of Keywords in the first binder should help with this.

All materials were developed and piloted with Grade 8-12 Hawaiian students in general &/or special education in 2004-2006 to:

- improve student achievement of state Department of Education Hawai‘i Content & Performance Standards (HCPS III)
- increase student knowledge & skills in science particularly, but also math, language arts & Hawaiian Studies
- engage students in scientific study with more relevant, interesting content and activities
- respond to the learning needs of Native Hawaiian, at-risk &/or special education students

Feel free to browse these resources & use, share or modify what you find without fear of copyright penalty. As well, keep your eye on the Web site (www.SciHi.hawaii.edu), as materials will be updated and added. Also, please let us know what works for you! The expertise of all veteran, novice, local,
mainland, Hawaiian and non-Hawaiian teachers is very valuable to us! Finally, if you notice any errors or omissions, please accept our sincere apologies as any insult or misdirection is entirely unintended. If you can, let us know so we can fix it! Many thanks to you for your interest and help!

**Take the Science in Hawai‘i 3-Credit Course**

Go to [http://fms-web2.k12.hi.us/PDERI/](http://fms-web2.k12.hi.us/PDERI/) to find out about the next course offered to help you learn to adapt this curriculum to the classes you teach. This course is DOE approved and available on all islands, numbers permitting. Look for PDERI # 1667 in the 2006-07 school year, and contact us to find out about our new curriculum project aimed at helping grade 11/12 students enter science-related fields after graduation.

**Contact Information**

Contact us here to give feedback on this material, share your ideas, make a request for what you need, or if you wish to be included in our current projects.

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**Center on Disability Studies, College of Education**

University of Hawai‘i at Mānoa, Honolulu

If you’d like to know about projects like these and other work we are involved in, go to [http://www.cds.hawaii.edu/](http://www.cds.hawaii.edu/) and feel free to contact:

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