

2015-2016

ETHNOMATHEMATICS AND STEM INSTITUTE

<http://ethnomath.coe.hawaii.edu>

GENERAL INFO

Applicants must attend one mandatory pre-institute workshop (online for neighbor island applicants). Selection is competitive and priority is given to K-12 special education and STEM educators.

COST: FREE. Upon successful completion, educators receive a small stipend, and have the option of obtaining 6 PDE-3 HIDOE credits (pending approval).

MANDATORY PRE-INSTITUTE WORKSHOPS

Applicants must attend ONE workshop to receive application materials.

October 14, 2015 (Wed.), 5-6 p.m. *Online for Neighbor Island Applicants ONLY*

October 19, 2015 (Mon.), 5-6 p.m. at University Lab School Building 3, Room 133

October 20, 2015 (Tues.), 6-7 p.m. at University Lab School Building 3, Room 133

October 21, 2015 (Wed.), 7-8 p.m. at University Lab School Building 3, Room 133

ABOUT THE INSTITUTE AND DATES

In an effort to address issues of equitable and quality education, culturally responsive STEM (science, technology, engineering, math) pedagogy is explored across the State of Hawai'i through the Mathematics Common Core State Standards and Next Generation Science Standards.

Now in its eighth year, the Ethnomathematics and STEM Institute brings together K-12 public, public charter, and private school STEM educators to design and implement lesson plans grounded in the ethnic, historical, and cultural diversities of our state. This will be accomplished through a yearlong professional development program (attendance is required on all dates):

Orientation: December 12-13, 2015

Professional Development Workshops:

January 23, February 27, and March 26, 2016

Summer Immersion: June 6-12, 2016

The institute is committed to making high-quality learning relevant, contextualized, and sustainable. The resulting research and practicum-based STEM lesson plans may be used by current educators to supplement curriculum and future teachers as training material. Past publications have been featured in print, online, and on air at the Mathematical Association of America, University of Hawai'i Mālamalama Magazine, Pacific Business News, Hawai'i Public Radio, PBS Hawai'i, and the Honolulu Star-Advertiser.



Institute scholars may participate in field studies to the following locations: Waikalua Loko Fishpond in Kāne'ohe, Ka Papa Lo'i o Kānewai in Waikīki, Ma'o Organic Farms in Wai'anae, Polynesian Voyaging Society around the Hawaiian Islands, and Kalaupapa National Historical Park on the island of Moloka'i (as pictured).

For more information:

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