



2018 *Teaching Change* Teacher Training Workshop

3-DAY Professional Development Course on Outdoor Immersive Curricula in Ecosystem Ecology, Climate Change & Phenology

Day 1 : Field station
Thursday, February 1st

Hakalau Forest
National Wildlife Refuge

12:30 PM
departure from Hilo (Institute of Pacific Islands Forestry)

Activities

- Site introduction/ orientation
- Participant introduction

Staying at Hakalau field station overnight

Day 2 : Field station
Friday, February 2nd

Hakalau Forest
National Wildlife Refuge

Activities

- Bird walk
- Greenhouse tour
- Makawalu exercise
- Phenology measurements
- Ecosystems, climate change and phenology
- Sample field excursion exercises

Staying at Hakalau field station overnight

Day 3 : Classroom
Saturday, February 3rd

Institute of Pacific Islands
Forestry, Hilo

8:00 AM Departure from Hakalau

Introduction to resources:

- 1) Ecosystem Ecology and Climate Change
- 2) Resources for Phenology, including creating a phenology station at your school
- 3) Curriculum development

4:30 PM finish with follow-ups in the Spring

- ❖ Food, lodging and transportation to field site is provided.
- ❖ Participation in the final presentation required to receive stipends and/or PDE3 credits
- ❖ Stipend and professional development credits awarded upon program completion.

REGISTRATION CLOSING

DECEMBER 22nd, 2017

MAX 25 PARTICIPANTS

CLICK [HERE](#) TO REGISTER
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Teaching Change
Teacher Training
Workshops are a
collaboration
between



College of Tropical Agriculture
and Human Resources
University of Hawai'i at Mānoa

The *Teaching Change Program* has engaged hundreds of local students in place-based experiential learning about biology, ecology, cultural geography and climate change.