

Hawaiian Volcanoes & Hazards

Summer Program



When:

June 26-30, 2023

Five days of field trips and activities

9 am-3 pm

- Volcanism and hazards on oceanic islands
- Learning about geology and hazards
- Field experience and sharing with others

Where:

HPU Hawaii Loa Campus

Field trips on O'ahu

For: Local High School and Community College Students

\$500 stipend for the week

We strongly encourage students of all different backgrounds and identities to apply.



Applying: **by May 5, 2023**

Submit this information to Andrew Greene (agreene@hpu.edu)

- 1) Name, Email, DOB, Grade, Academic interests.
- 2) Write two paragraphs about your background and interest in natural sciences, education or field experience.
- 3) Letter of recommendation from one teacher.

Organizers:

Dr. Andrew Greene (Hawai'i Pacific University; agreene@hpu.edu)

Dr. Aaron Pietruszka (University of Hawai'i at Mānoa; apietrus@hawaii.edu)

Reed Mershon (University of Hawai'i at Mānoa; rmershon@hawaii.edu)

Schedule: **June 26-30, 2023**

Day 1 (June 26)

9:00 am

Overview of Hawaiian Volcanism and Hazards with map activity, video clips, rock samples (2 hrs)

Introduction to Emperor Seamounts (0.5 hrs)

12:00 pm

Life and Death of Hawaiian Volcanoes jigsaw activity (3 hrs)

Day 2 (June 27)

9:00 am

Southeast Oahu field trip with geology activities (4-5 hrs)

Destinations: Lanai Lookout, Makapu'u Lookout, Nu'uuanu Pali Lookout

1:00 pm

Sharing with Others—Talk Story on Education and Careers (1-2 hrs)

Day 3 (June 28)

9:00 am

Natural Hazards on the Island of Hawaii jigsaw activity (3 hrs)

12:30 pm

Volcanic and Hazard Crisis Management -Reducing the risk of hazards (0.5 hrs)

Living on Active Volcanoes-Learning Game activity* (2.5 hrs)

Day 4 (June 29)

9:00 am

Northeast Oahu field trip with geology activities (6 hrs)

Destinations: Waimea Bay, Kahuku cliffs, Laie Pt, Kualoa Pt

Day 5 (June 30)

9:00 am

2018 Kīlauea Eruption Simulation: A Volcanic Crisis Role-Play Simulation and Training Activity (3 hrs)

1:00 pm

Sharing with Others—Talk Story on Education and Careers (1-2 hrs)
