Title

Grade	Unit Length

Anchoring Phenomena

Unit Overview

NGSS Performance Expectations (PE) addressed in Unit

PE Code: *Breakdown*

- View this Unit's Lesson Plan for a detailed breakdown of NGSS standards

Materials List

- Item 1
- Item 2
- Item 3
- Item 4
- Item 5
- Item 6

Introduction to the RDC

The **Hawai'i PK-12 Research and Development Consortium (RDC)** was initiated in 2018 through a partnership with the Volcano School of Arts and Sciences (VSAS). The partnership continued in 2019-2020 through a USDA Forest Service and NOAA Ocean Guardian School grant and expanded to a state-wide program in 2021-2022 with funding from a Governor Ige GEER Innovation Grant. The objective of the RDC is the establishment of lasting, mutually beneficial collaborations between the conservation community and Hawai'i schools. These collaborations endeavor to align conservation research with the needs of the community through the development of Hawai'i-based, Next Generation Science Standards (NGSS). This strategy makes community outreach scalable for researchers while addressing student science learning objectives for schools.

In Spring of 2022, the RDC partnered with Dr. Lori Andersen, an NGSS curriculum specialist with the College of Education at the University of Hawai'i at Mānoa, to host a teacher

professional development (PD) workshop series entitled *Developing 3D Science Units for Hawai'i-based Phenomenon*. With the collaborative support 14 cultural and scientific organizations, the RDC guided 28 teachers associated with 14 schools across 5 islands in the development of Hawai'i-based, NGSS science units. The resulting 20 NGSS science units incorporate Hawaiian culture, research datasets, and emerging conservation research.

For lesson plans and additional information regarding these units, visit the RDC website at www.kopuahawaii.org

Nā Hopena A'o (HĀ) Outcomes

The HĀ framework was created to develop the skills, behaviors and dispositions that are reminiscent of Hawai'i's unique context, and to honor the qualities and values of the indigenous language and culture of Hawai'i. Click here to learn more about Nā Hopena A'o

OUTCOME: *BREAKDOWN*

Biocultural Context

Teacher Background Information According to Lesson

Lesson 1:	
Lesson 2:	
Lesson 3:	
Lesson 4:	
Lesson 5:	
Lesson 6:	

Open Source Contributor Feedback Form

We invite you to contribute to the development of this Hawai'i-based science curriculum!

Please use the following form to:

- Provide editing suggestions
- Give insight into classroom experiences
- Share supporting learning materials you've created (i.e., worksheets, assessments, videos of teaching technique, additional resources)

- Share artifacts of learning (i.e., photos, learning materials, completed student work examples)

Take the survey here to join us as a contributor!

Contact Us!

Do you have additional questions? Are you looking to contribute to the RDC in a way not listed in the Open Source Contributor Feedback form?

Email us at sarah@akakaforests.org