The Education Program aims to advance the goals of the Mālama Honua Worldwide Voyage (WWV) by engaging learners of all ages to join and follow the Voyage, and continue to learn about the world around them to create positive change grounded in both traditional and modern practices. Our hope is to inspire a globally-connected network of learners who are inspired by local and indigenous knowledge and values, and are able to bridge tradition and technology to solve our world’s greatest problems.

HAWAIʻI MILESTONES

Mālama Hawaiʻi Sail 2013
During the Mālama Hawaiʻi sail, Hōkūleʻa and Hikianalia reached over 22,000 children and community members in Hawaiʻi through canoe tours, community engagements, community sails, presentations and learning journeys.

“Promise to Children”: This unprecedented partnership brings together the leaders of Hawaiʻi’s entire public education system from kindergarten to graduate school, the leaders of our largest private education institutions, and the network of private schools for a public purpose. These leaders came together on the deck of Hōkūleʻa before the launch to commit to “…transform our schools, empower youthful voices, and accept the responsibility of mālama honua.”

Auckland Education Leadership Summit
University of Hawaiʻi President David Lassner, Superintendent of the Hawaiʻi State Department of Education Kathryn Matayoshi, and key thought leaders from Kamehameha Schools, University of Hawaiʻi College of Education, and Hawaiʻi’s Charter Schools participated in an Education Leadership Summit in Auckland, New Zealand to exchange ideas on cultural pathways in education, and transforming educational practices to bring culture and kindness into education.
Promise to Paeʻaina O Hawaiʻi: This initiative was inspired by the Worldwide Voyage and is led by Hawaiʻi’s Harold KL Castle Foundation to bring together individuals and organizations from all sectors to increase the health of Hawaiʻi’s oceans by the time Hōkūleʻa and Hikianalia return to Hawaiʻi in 2017. Local government entities, hotels and corporations, schools, and individuals have signed the Promise to Paeʻaina.

MEd CS STEMS2 Program - University of Hawaiʻi This Masters’ program was inspired by the Worldwide Voyage statewide teacher professional development program called Aʻo Hawaiʻi. This summer, a Masters’ Program will be launched from the College of Education at the University of Hawaiʻi called STEMS2 led by crew members Tara O’Neill (Associate Professor at the College of Education) and Linda Furuto (Associate Professor of Mathematics Education at the College of Education) that focuses on place-based, project-based learning where students emulate the processes of professionals in a variety of fields to design solutions to real world problems in their local and global communities.

Nā Kelamoku Youth Leadership Initiative Launched PVS launched a new Youth Leadership Initiative called Nā Kelamoku which aims to cultivate the next generation of navigators and explorers in Hawaiʻi and around the world. Whether their voyages are on the open ocean, or simply in the way they guide their own lives, these twenty (20) youth, ages 16 to 20, are committed to inspiring other youth locally and globally to mālama honua.
PACIFIC MILESTONES

FRENCH POLYNESIA

Mālama Honua Declaration
In Tahiti, the Worldwide Voyage prompted over 20 organizations to come together to sign the Mālama Honua Declaration presented to the President of French Polynesia. It calls for joining forces to protect 20% of the marine environment by 2020 and achieve 100% renewable energy by 2030.

Mālama Honua in Schools
Over the next 3 years, all primary schools in French Polynesia have committed to integrating the values of mālama honua in teaching and learning.

AMERICAN SĀMOA

American Sāmoa Declaration
With the arrival of Hōkūleʻa and Hikianalia to the Samoan waters, the American Samoan government shared a declaration committing to being “…good stewards of our natural and cultural environments for the sake and the longevity of our Samoan Culture and the way of life.”

Voyaging for STEM Program
The series began as a result of Hōkūleʻa and Hikianalia’s visit to American Samoa, where local teachers came together to learn how to provide quality education focused on the values of mālama honua. Based on these conversations, crew members Daniel Lin (Pacific Resources for Education and Learning) and Linda Furuto (University of Hawai‘i College of Education) partnered with the NOAA Ocean Center, AS Department of Education, and other community partners to create this Voyaging for STEM program. The first cohort includes 50 K-12 teachers who are committed to being better stewards.
of their community and instilling these values in their students. The aim for this project is to continue annually to reach every science and math teacher in American Samoa.

**SĀMOA**

**United Nations Conference on Small Island Developing States**

UN Secretary General Ban Ki-moon shared a message in a bottle with Hōkūle’a stating: “I am honored to be a part of Hōkūle’a’s Worldwide Voyage. I am inspired by its global mission. As you tour the globe, I will work and rally more leaders to our common cause of ushering in a more sustainable future and a life of dignity for all.”

**AOTEAROA**

**Manaiakalani Story of Hope**

2,000+ predominantly Maori and Pasifika students welcomed Hōkūle’a, Hikianalia, and crew members to Point England Beach, in a celebration of Pacific pride and supporting the next generation of navigators of Island Earth.

Manaiakalani, Point England School, and their School Leader Russell Burt are the features of our first full-length Story of Hope educational documentary.

**Palau Declaration on ‘The Ocean: Life and Future’**

Tommy E. Remengesau, Jr. President of the Republic of Palau and chair of the Pacific Island Forum, presented the Palau Declaration on ‘The Ocean: Life and Future’ for Hōkūle’a to carry around the world to
the United Nations for World Ocean Day 2016. President Remengesau stated, “We ask the voyage to carry forward these commitments to bring recognition that the Pacific Ocean and the oceans of the world are the lifeblood of our economies and societies, not only in the Pacific but of our planet.”

**AUSTRALIA**

Hōkūleʻa left the Pacific for the first time in her 40 year history voyaging through the Tasman Sea to the coast of Australia. PVS collaborated with the Reef HQ Aquarium in Townsville to conduct an underwater livestream from the Great Barrier Reef, hosted by a Reef Scientist, for children and other viewers around the world to see. 51 students from Hawaii and Aotearoa participated live in the Hangout, with almost 100 live viewers; close to 250 views of the Hangouts have been recorded via Youtube since the original broadcast. Some schools in Hawaii have watched the video recording of the livestream as part of their marine studies and social studies lessons. The crew had the opportunity to dive the Great Barrier Reef and learn about a school program called Reef Guardian Schools, where 300+ schools are dedicated to protecting and caring for their reef ecosystem.

**INDONESIA**

In July, 2015, Hōkūleʻa departed Darwin, Australia and began her voyage through the Indian Ocean. The arrival in Bali, Indonesia was a momentous occasion solidifying the Bali-Hawaiʻi Sister State Relationship and reconnecting the Polynesian and Austronesian cultures.

The crew visited The Green School which was voted “Greenest School on Earth” to learn how an entire school is dedicated to inspiring the next generation to become stewards of their environment and community.
MAURITIUS
After sailing over 3,400 nautical miles from Bali, Hōkūleʻa reached the island of Mauritius. Outrigger Hotels connected the crew with Reef Conservation – a local marine NGO dedicated to educating the Mauritian public and school children about the importance of caring for marine resources. Crew members learned how the tourism industry is working in collaboration with Reef Conservation to ensure a healthy and thriving reef for the future of their island home.

SOUTH AFRICA
After crossing the Mozambique Channel and sailing along the South African coast, Hōkūleʻa safely arrived in Cape Town, South Africa greeted by Archbishop Desmond Tutu and the local community.

A delegation of over 60 students, family and crew members participated in a week-long cultural exchange with local community organizations and schools. The delegation honored Archbishop Tutu as a Great Navigator of Island Earth with a song dedicated to his life of peacemaking and service to humanity.

EDUCATIONAL OUTREACH & IMPACT
MAY 2014 – December 2015

Adopt the Voyage
On Hokulea.com, we launched an interactive Google Map for schools, community organizations, and individuals to share how they mālama honua in their communities

174 People have submitted How Do You Mālama Honua stories via our website.
1,368 People are members of the PVS Educator Network, receiving the PVS Education News feed regularly.

630 People from around the world have taken the Oceans Pledge to support our oceans and Island Earth, and inspire people of all ages to do the same.

125 Schools and organizations in Hawai‘i, US mainland, and Aotearoa have been adopted by Worldwide Voyage crew members.

Wa‘a Talks have occurred with 500+ educators in Hawai‘i, French Polynesia, American Samoa, Aotearoa, and South Africa around teaching mālama honua values.

16 Canoe-to-conference (large education conferences or workshops) connections reaching 1500+ educators, students, and scientists have occurred.

60+ Videos have been recorded by crew members to answer students’ questions about life at sea and the Worldwide Voyage.

28 Lesson plans and curricula around the values of mālama honua have been shared on Hokulea.com’s Learning Center portal.

60+ Google Hangouts (live video interactions) have occurred between Hōkūle‘a, Hikianalia, crew members and students from Hawaii, US Mainland, Tahiti, Aotearoa, and South Africa.

35+ Video messages have been sent from Hōkūle‘a and Hikianalia crew to schools and organizations.

60+ Satellite phone calls have occurred between Hōkūle‘a, Hikianalia, and students.

The first Science on a Sphere simulcast occurred between students at ‘Imiloa Astronomy Center (Hawai‘i Island), Bishop Museum (O‘ahu) and NOAA Ocean Center (American Sāmoa) around the topic of marine science and conservation (September 2014).

The first content-driven Google Hangout on Air occurred between students at Kamehameha Schools Kapālama, Kailua Middle School, and Kea‘au Middle School, with Kālepa Baybayan about the Anaweka Canoe discovery and research (February 2015).
The first student-led live-stream of a canoe landing/ceremony occurred at Point England Beach led by students of Point England School and the other 11 schools of the Manaiakalani School Programme (March 2015)

The first underwater live-stream of a the Great Barrier Reef occurred in collaboration with the Reef HQ Aquarium, Kailua Intermediate School, Point England School (Manaiakalani Cluster) and Nā Kelamokua Youth Leadership Initiative.

Google Hangout on Air with a Scientist (Dr. Peter Nilsen of Pinnacle Point archaeology research team) reached a total of 100 students and 8 teachers during the live broadcast

INTERNATIONAL PORT OUTREACH DATA

Since May 2014*, we have reached 28,015 students and community members via the following activities:
- Canoe Tours & Dockside Outreach Activities – 7,585 people
- Community Engagements – 11,013 people
- Community Sails – 270 people
- Presentations – 3,882 people
- Learning Journeys – 5,265 people

VOYAGING MILESTONES

- Hōkūle‘a departs Polynesia for the first time in her 40 year history, voyaging through the Tasman Sea, Indian Ocean and Mozambique Channel.
- Since May 2014, Hōkūle‘a has sailed 17,324 nautical miles and Hikianalia has sailed 10,892 nautical miles.
- Hōkūle‘a and Hikianalia have visited 11 countries, 48 ports, and 28 islands.
- 165 crewmembers voyaged

SUCCESSION LEADERSHIP TRAINING

- Leg 2: Hawai‘i to Tahiti - 10 Apprentice Navigators
- Leg 3: Society Islands – Cook Islands - American Sāmoa - 7 Apprentice Navigators Trained
LEG 4: American Sāmoa – Sāmoa – Swains Island - 6 Apprentice Navigators & 4 New Watch Captains

LEG 5: American Sāmoa – Tonga – Aoteroa - 7 Apprentice Navigators & 1 New Watch Captain

LEG 7: Auckland to Wellington - 2 New Watch Captains

LEG 11A: Aurere to Brisbane – 1 Apprentice Navigator Trained

LEG 11B: Tahiti to Hawaiʻi – 3 Apprentice Navigators Trained

LEG 12: Brisbane to Darwin – 1 Apprentice Navigator Trained

LEG 13: Darwin to Bali – 2 Apprentice Navigators Trained

LEG 13B: Nihoa – 2 Apprentice Navigators Trained, 1 New Captain Trained

LEG 14: Bali to Mauritius – 1 Apprentice Navigator Trained

Hawaiʻi Outreach Update
October - December 2015

HIKIANALIA OʻAHU SAIL

● 7 captains in training
● 66 crew trained
● 58 teachers sailed
● 2,775+ community members reached

VOLUNTEER AND CREW TRAINING

● 457+ volunteer hours dedicated to outreach events, presentations and administrative support
● 35 participants in the Fall Level 1 training
● 20 participants in the Fall Level 2 training,

*Data from Aug. - Dec. 2015

Looking ahead to 2016

● Hikianalia Neighbor Island Outreach and Crew Training: January - March
  ○ Maui Nui (Maui, Molokaʻi, Lānaʻi)
Continued collaboration with HCC/METC for crew training is scheduled for 2016
  - Spring Level 1 Training begins February 1
  - Boating Safety in February → Escort Training
  - Spring Level 3 Training in April
  - CPR/First Aid in March
Hikianalia Statewide Sail – August 2015–April 2016

At the end of 2014, PVS announced the new sail plan for Hikianalia. Hōkūleʻa will be continuing on her original sail plan route, while Hikianalia adds 16,000 miles to her voyage, including thirteen (13) months in Hawaiʻi, embarking on an education initiative bringing the Worldwide Voyage closer to students, educators, and the public.

As a result the following Statewide Sail Educational Objectives were created:

1. Broad Reach
   a. Reconnect with our children, communities and educators statewide

2. Deep Touch
   a. Expeditionary Learning
   b. Youth Leadership Training
   c. Educator Training
   d. WWV Crew Training

3. Explore, celebrate and inspire mālama honua “Stories of Hope” by collaborating with Hawaiʻi State Library Systems collections and engagement with Mālama Honua
   a. Revisit communities from 2013 Statewide Sail and document stories of hope in each community
   b. Find new great schools in Hawaiʻi
   c. Inspire new schools and new voyages
   d. Document and map stories of hope on Hokulea.com mālama honua Google map


The winter surf and storm systems came early to Oʻahu, affecting its North and West shores as a result several sails and port visits were canceled or adjusted. However we connected with our communities to plan many successful events which connected them to the voyage, these events included school and waʻa based student engagement opportunities, Waʻa Talks for educators and Communities days for the entire community. We also provided hands-on learning opportunities for Nā Kelamoku (PVS’ Youth Leadership Initiative) and PVS crewmembers to train on the Waʻa, as well as train how to conduct outreach events to learners. Over all the Oʻahu outreach was a success as we reached 8 communities, served over 1,100 students, 387 educators and 1,184 community members.

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<th>Students</th>
<th>Educators</th>
<th>Community</th>
<th>Schools</th>
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<th>Learning Journeys</th>
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North Shore / Haleʻiwa

PVS Crew Contact/Lead: Kāmaki Worthington 808-223-1697  
Community Contact: John Bilderback Bilderback@mac.com 808-389-7873  
Harbor Contact: Paul Sensano (808) 637-8246 Haleʻiwa.Harbor@hawaii.gov  
Local Knowledge: Kāmaki Worthington 808-223-1697

Due to weather and safety concerns we were unable to sail Hikianalia to Haleʻiwa. We did however conduct several successful community outreach events that allowed Educators and the community to learn about the values of the Voyage.

- Sept. 29, 2015 – Waʻa Talks – Mālama Loko Ea (39 Educators)
- Sept. 30, 2015 – Crew Talk Story – Patagonia Haleʻiwa (35 Community members)
- Oct. 1, 2015 – Community Outreach – Waimea Valley Farmers Market (140 Community members)
Due to weather and safety concerns we were unable to sail Hikianalia to Pokai Bay and Nanakuli Beach as planned, we did conduct the scheduled outreach out of the Ko Olina Harbor, the Harbor Master and Ko Olina partners were very supportive of our outreach efforts.

- Oct. 20, 2015 – Kamalie Academy 5th Grade – Ko Olina (25 Students, 4 Educators)
- Oct. 20, 2015 – Leeward Community College Hawaiian Language Class – Ko Olina (39 Students, 1 Educator)
- Oct. 21, 2015 – Ko Olina Stakeholder Sail – Ko Olina (12 Community members)
- Oct. 24, 2015 – Community Day – Ko Olina (100 Community members)
Due to weather and safety concerns we were unable to sail Hikianalia to Waimānalo Beach as planned, we did conduct several great outreach efforts at local schools sites and school groups at Waimānalo Beach Park. The crew was also able to participate in a Learning Journey to the Oceanic Institute where they learned about several research projects of sustainability.

- Oct. 26, 2015 – Mālama Honua PCS – Waimānalo Beach (25 Students, 10 Educators)
- Oct. 26, 2015 – Partners In Development-Na Pono – Waimānalo Beach (26 Students, 4 Educators)
- Oct. 26, 2015 – Learning Journey – Oceanic Institute (7 Crew members)
- Oct. 26, 2015 – Hui Mālama o Ke Kai – Waimānalo Beach (20 Students, 4 Educators)
- Oct. 27, 2015 – Community Day – Waimānalo Beach (20 Community members)
Due to weather and safety concerns our sail plan changed several times, as a result events had to be canceled. However we did have successful community sails and community outreach day. The community of Kailua came out in force to honor and support their Koʻolau Poko Captains and crewmembers.

- Oct. 30, 2015 – Community Sail – Kailua to Heʻeia (12 Community members)
- Oct. 31, 2015 – Community Day – Kailua Beach (225 Community members)
- Nov. 1, 2015 – Community Sail – Kailua to Heʻeia (12 Community members)
Kāneʻohe Bay

**PVS Crew Contact/Lead:** Bonnie Kahapea-Tanner 808-286-4176  
**Community Contact:** Bonnie Kahapea-Tanner 808-286-4176, Mark Heckman 808-277-1691 (Moku O Loʻe)  
**Harbor Contact:** Ernie Choy 808-233-3603 heeia.kea.harbor@hawaii.gov  
**Local Knowledge:** Danny Bishop 808-753-0386, Fritz King 808-291-1197 (Moku O Loʻe)

**Media:**  

Kāneʻohe Bay was a very successful outreach for us we connected with the Koʻolau Poko Hawaiian Civic Club who hosted the crew at Heʻeia Kea Pier. We also had a Learning Journey to Moku O Loʻe and an Educators Waʻa Talks hosted by Kānehūnāmoku Voyaging Academy.

- Nov. 1, 2015 – Community Day – Heʻeia Kea Pier (250 Community members)  
- Nov. 2, 2015 – Learning Journey – Moku O Loʻe (12 Crew members members)  
- Nov. 2, 2015 – Community Outreach – Moku O Loʻe (40 Community members)  
- Nov. 4, 2015 – Community Sail – Moku O Loʻe to Kahana (6 Community members)  
- Nov. 5, 2015 – Waʻa Talks – Heʻeia Kea Pier (50 Educators)  
- Nov. 6, 2015 – Community Sail – Heʻeia Kea Pier to Kualoa/Hakipuʻu (8 Students, 2 Educators)
Kahana

PVS Crew Contact/Lead: Naalehu Anthony 808-554-5358
Community Contact: May Au 808-237-8369, Renee Kamisugi 808-587-0308, Kahiau Wallace ahiu1983@gmail.com, Kealaulaokamamo Leota kealaulaokamamo@hotmail.com
Harbor Contact: N/A
Local Knowledge: Ron Johnson 808-497-8121

Media:

Due to weather it took us a little longer to get into and secured anchorage at Kahana, as a result our planned Learning Journey with the community was canceled and the focus was to spend more time with on outreach.

- Nov. 4, 2015 – Pūnana Leo o Koʻolau Loa – Kahana (20 Students, 20 Educators/Parents)
- Nov. 4, 2015 – Community Outreach – Kahana (75 Community members)
- Nov. 5, 2015 – Community Sail – Kahana to Heʻeia Kea (3 Community members)
Kualoa/Hakipuʻu

PVS Crew Contact/Lead: Kaiulani Murphy 808-927-4071
Community Contact: Hoe Ohana
Harbor Contact: N/A
Local Knowledge: Kawai Hoe 808-927-4071

After speaking with Community members it was decided that the outreach would be small, this included a sail for Hakipuʻu Learning Center students/staff and an opportunity for Hikianalia rest in the waters of Kualoa/Hakipuʻu.

- Nov. 6, 2015 – Hakipuʻu Learning Center – Kualoa/Hakipuʻu (8 Learners, 6 Educators, 14 Community members)
- Nov. 8, 2015 – Community Sail - Kualoa/Hakipuʻu to METC (6 Community members)
Honolulu / METC

PVS Crew Contact/Lead: Mikiala Akiona 808-748-1991
Community Contact: PVS
Harbor Contact: N/A
Local Knowledge: Bob Perkins 808-295-1821, Keala Kimura 808-542-0553

At the Marine Education & Training Center, were able to accomplish many educational outreach events, this was in part to the accessibility to Hikianalia (docks) and various available facilities (bathroom, classroom, parking). We did have to cancel several sails due to strong winds, but overall this port outreach was a success.

- Sept. 11, 2015 – National Science Teachers Association Leadership Sail – Mamala Bay (12 Educators)
- Oct. 6, 2015 – Captain/Crew Training Sail – Malama Bay (12 Crew members)
- Nov. 9, 2015 – Kamehameha Schools Video production Class – METC (17 Students, 1 Educator)
- Nov. 12, 2015 – Wa’a Talks – METC (40 Educators)
- Nov. 17, 2015 – Punahou Class visit – METC (12 Students, 1 Educator)
- Nov. 24, 2015 – Kamehameha Schools Preschool-He’eia – METC (38 Students, 27 Educators)
- Nov. 30, 2015 – Kaimuki Library (100 Community members)
- Dec. 1, 2015 – Kamakau PCS – METC (39 Students, 6 Educators)
- Dec. 2, 2015 – Kamehameha Schools 7th Grade – METC (107 Students, 8 Educators)
- Dec. 2, 2015 – Kellogg Foundation Visit – METC (10 Community members)
- Dec. 2, 2015 – Honolulu Community College Class Sail – Mamala Bay (18 Students)
- Dec. 3, 2015 – DOE Windward District Behavioral Health – METC (21 Students, 10 Educators)
- Dec. 4, 2015 – DOE Castle Complex Sail – Mamala Bay (12 Educators)
- Dec. 8, 2015 – Kaiser HS Wa’a Class Sail – Mamala Bay (18 Students, 4 Educators)
- Dec. 10, 2015 – UH Lab School drydock – METC (10 Students, 1 teacher)
- Dec. 11, 2015 – Kanehunamoku Voyaging Academy Dockside Tour – METC (24 Students, 6 Educators)
- Dec. 12, 2015 – UH Ethnomathematics Sail – Malama Bay (40 Educators)
- Dec. 12, 2015 – Community Day – METC (200 Community members)
- Dec. 15, 2015 – Kaiser HS Wa’a Class Sail – Mamala Bay (18 Students, 4 Educators)
- Dec. 16, 2015 – Nga Tapuwae School tour – METC (20 Students, 8 Educators)