Take Flight

Take Flight will explore navigation, aviation, and the engineering design process for 5th and 6th graders.

Take Flight is a new after school science class at Kualapu‘u School and includes an educational field trip to Honolulu. The program is intended to introduce 25 students to S.T.E.M. concepts while having fun. The after school class culminates in an educational field trip to Honolulu giving the students a chance to take advantage of three Honolulu museums and non-classroom learning opportunities. The funding for this science program is a combination of grant funding, in-kind donations, and private donations. Simple science and engineering experiences can influence students in significant ways, even helping them to choose their future careers.

After school class Jan. 21-March 6
Tues. Thurs. Class 3-3:50

Educational Honolulu Field Trip March 12, 13, 14
$150/student

Kualapu‘u PCC School  Contact Joyce Haase 567-6900
This science program will provide background knowledge on navigation and the principals of flight for 5th and 6th graders. The activities will be hands-on and will highlight the engineering design process.

* Weekly Lessons (schedule subject to change)
* 1/21  Paperwork and navigation
* 1/23  Paper Airplane Trials
* 1/28  Stomp Rockets
* 1/30  Engineering design process – working to solve problems
* 2/4   FOSS – Catapults
* 2/6   Reading on flight principals
* 2/11  Reading and writing about catapults
* 2/13  FOSS – Propeller Trials
* 2/18  FOSS – Propeller Trials, day 2
* 2/20  Reading and writing about the history of flight
* 2/25  Web Quest – How Aviation Changed the World
* 2/27  Polynesian Navigating – Auntie Penny
* 3/4   Web Quest – Navigating Around Oahu
* 3/6   Getting ready for the trip - Last Class
* 3/11  No class
* 3/12, 3/13, 3/14  TRIP!

**Take Flight Trip Itinerary/ Activity Schedule:** (schedule subject to change)

**Day 1**  Wednesday, March 12
MKK-HNL 9:25 AM Island Air flight
10:15AM  Tour of Hawaiian Air
Bus
12:30 PM Lunch and Tour of Castle and Cooke Aviation
5 PM Arrive Bishop Museum, dinner on the lawn of the museum
– Overnight Education Program

**Day 2**  Thursday, March 13
Breakfast bar at museum
Check out from Bishop Museum
Bus
The Contemporary Art Museum Spaulding House – Science Through Art Program
Lunch/Spalding House Cafe
SAMA (see art make art) program at the Spaulding House
3:30 PM Bus to Ala Moana Hotel
Check in/rest/shower/swim
5:30 Dinner (mall food court)
Evening shopping at the Ala Moana Mall or hotel time in your groups

**Day 3**  Friday, March 14
7:30 AM Breakfast
Check out and meet bus
Pacific Aviation Museum (PAM) – tour and Barnstorming Program
Lunch at PAM
Flight simulator at PAM
Head toward airport, snack, fly home
5:20 PM Island Air HNL-MKK

*Bishop Museum Overnight Education Program:*

**I KA WĀ MA MUA KA WĀ MA HOPE**

**THE FUTURE IS IN THE PAST: STEM through the Eyes of Voyaging**

If we stare into the future we’ll see….nothing. The future hasn’t happened yet.

Turn around however and the view is endless. Through the lens of Pacific voyaging, I KA WĀ MA MUA KA WĀ MA HOPE helps students to explore the works of our ancestors and discover that S.T.E.M (science, technology, engineering and mathematics) is nothing new to us.

In the course of 2.5 hours, students will explore the role of winds, waves and stars in navigation via the immersive full dome video of the newly renovated J. Watumull planetarium; learn about canoe engineering and structure in Hawaiian and Pacific Halls, brought to life through vivid storytelling; examine voyaging plants and their uses in the Native garden; and visit the Science Adventure Center to explore the role of birds in traditional navigation.