

# PROJECT OPTIONS

**TO IMPROVE THE HEALTH OF  
YOUR LOCAL WATERSHED!**

# PLAN TO GROW NATIVE PLANT SPECIES

1. Work with an amazing non-profit organization, the [Ko`olau Mountain Watershed Partnership](#) to create seed balls - a very efficient way to spread native plant seeds in the forest.
  - a. You might also want to create a slideshow, video or illustrated instructions on “how to create native seed balls” as a learning resource to share
  - b. Read how students on Maui used this strategy to make a positive difference - [click here](#) to access the story
2. Help plan the design of the native plant shade house for the Pearl City HS Natural Resource program.
  - a. Help schedule a consultation with a local expert from the [Ohia Legacy Initiative](#). Working with this non-profit might lead towards your school having the capacity to grow the “mother tree of the Hawaiian forest” - `Ōhi`a Lehua



Mālama Learning Center Shade houses at Kapolei High School and Palehua




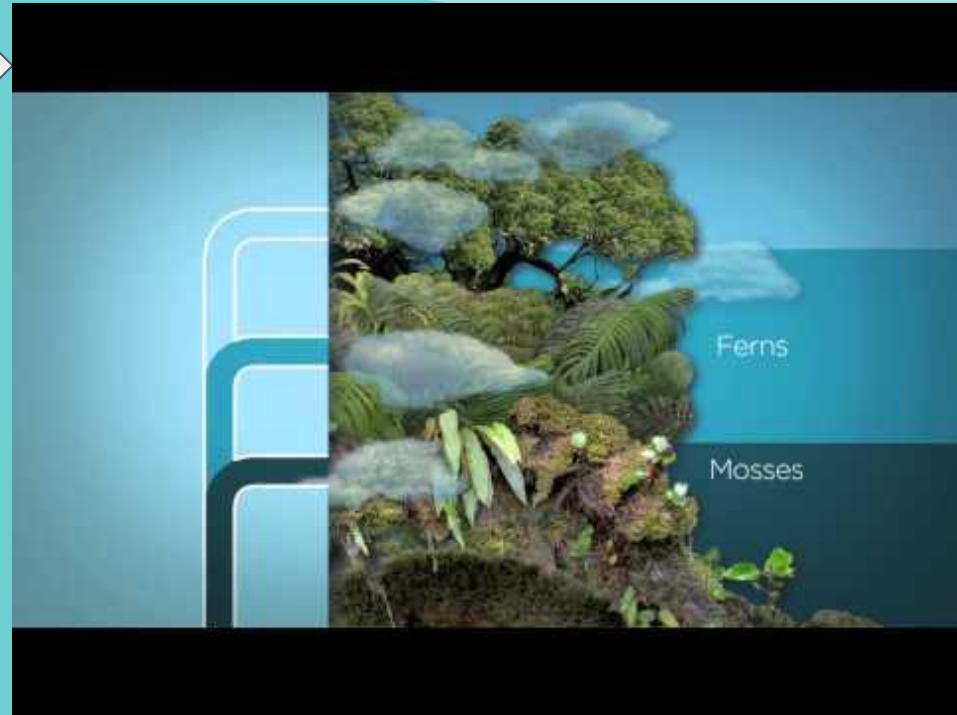
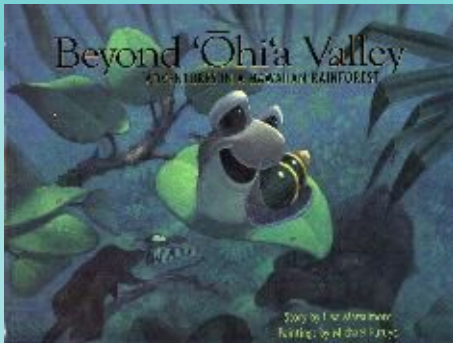
# COLLECT `ŌHI`A SEEDS

- Collect `Ōhi`a Lehua seeds and create a growing plan for next year
- Work with the Ohia Legacy Initiative and their online resources - [click here](#) for an example from their Facebook page



# EDUCATE OTHERS ABOUT THE CONNECTION BETWEEN HEALTHY FORESTS AND HEALTHY WATERSHEDS

1. Create a video in a one-minute PSA (public service announcement) style like the example 
2. Create a longer video, animation or slideshow with a 3-5 targeted messages
3. Create an illustrated children's story about the connection between healthy forests and healthy watersheds - in Waiawa!



# PARTICIPATE IN THE “WE CAN’T EAT THE FISH?” STUDENT MEDIA CONTEST

Student Public Education Media Contest

## “WE CAN’T EAT THE FISH?”

Help create materials aimed at educating your community about reducing the risks from consuming contaminated seafood harvested from Pearl Harbor!

**CHOOSE**  
POSTER - 1 MIN PSA VIDEO - 3 MIN VIDEO

Access Contest Details Online <https://cutt.ly/Qv652pd>

ENTRIES DUE JUNE 1ST  
9 WINNERS WILL EARN A PRIZE PACKAGE WORTH \$100

- Land-based pollution from the watersheds throughout `Ewa has concentrated in Pu`uloa (Pearl Harbor) for decades creating a health hazard for those harvesting and eating seafood
- Help educate your community!
- Click on the image of the contest poster for details and resources



# LEARN ABOUT THE WATER FOOTPRINT CONCEPT AND HOW EACH OF US CAN REDUCE OURS

[CLICK HERE TO ACCESS A TUTORIAL SLIDESHOW TO HELP](#)

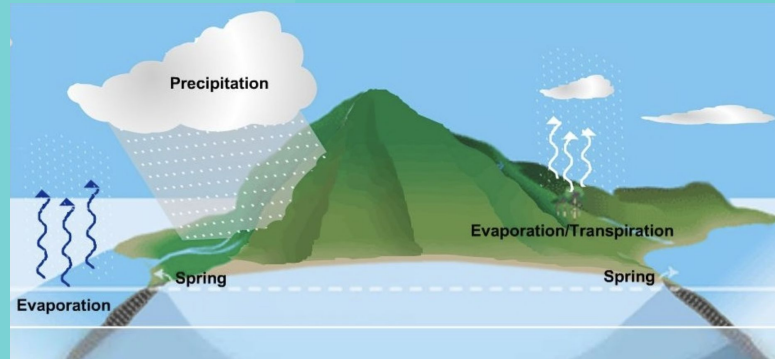
Create a poster, video, slideshow, animation or other media to educate others on the concept of a water footprint and choices they can make to reduce theirs!



# EXAMINE THE CONNECTION BETWEEN RAINFALL AND WATERSHEDS IN HAWAII

## SUMMARIZE YOUR FINDINGS IN A SLIDESHOW AND CONNECT THEM TO THE NEW WEATHER STATION AT YOUR SCHOOL!

1. Start with an excellent tutorial from the Honolulu Board of Water Supply - [click here to get started](#)
2. Learn about the Hawai'i Brown Water Advisory - [click here to get started](#)
3. Learn how scientists created the Hawai'i Rainfall Atlas to better understand rainfall patterns throughout the state - [click here to get started](#)
4. The U.S. Geological Service has both rain and streamflow gauges throughout Hawai'i.
  - a. [Click here](#) to access rain gauge data online.
  - b. [Click here](#) to access streamflow gauge data online.
5. Flooding (from heavy rain storms) in Hawai'i made the national news - [click here to learn more](#)



# CREATE A VIDEO OR SLIDESHOW TO SHOW STUDENTS NEXT YEAR WHAT THE FOREST FIELD TRIP WAS ALL ABOUT

- How should students prepare for the hike?
- What should they expect?
- What will they do?
- What did you learn?
- Why did you think this field trip is important?





**COMPOSE A MELE ABOUT THE WATERSHED - AHUPUA`A OF PEARL CITY**  
**CONSIDER PERFORMING AND RECORDING IT!**  
**CHECK OUT “OLA I KA WAI” BY PAUL IZAK**



# ASSESS STORM DRAINS NEAR YOUR HOME OR SCHOOL

## PRESENT YOUR FINDINGS AND RECOMMENDATIONS

- Walk, bike or ride to a site near your home or school and look at conditions near storm drains
- Take photos and record your observations
  - Is there trash on the ground near the storm drain? Potential source of pollution?
  - Is there vegetation around the storm drain? Impermeable surface? Bare dirt?
- If you think you and students from your school could improve conditions around the area you surveyed consider a creating a plan to adopt-a-block through the Honolulu Clean Water Hero program - [click here to learn more](#)
- Take the Hawai'i state stormwater public awareness survey - [click here to access](#)
- Consider how you could promote keiki participation in the "Stormwater Patrol" - [click here to learn what it's all about](#)

Watch this video to learn more!



# RESEARCH DESIGNS FOR A RAIN HARVESTING SYSTEM FOR YOUR HOME OR SCHOOL

- Create a plan for installing the system you recommend after completing your research
- Your plan should include recommended materials, pricing and instructions with diagrams/illustrations



# THERE'S SUPPORT FOR STUDENT SUSTAINABILITY PROJECTS!

The Hawai'i Youth Sustainability Challenge Program Offers Financial and Mentoring Support for Student Projects!  
Click on the image below for details



## HAWAII YOUTH SUSTAINABILITY CHALLENGE

EMPOWERING HAWAII YOUTH TO CREATE SOLUTIONS TO SUSTAINABILITY & CONSERVATION CHALLENGES FACING THEIR SCHOOLS & COMMUNITIES

Do you and your friends want to positively impact the environment and your community?  
Apply to be part of the 2020-2021 Hawai'i Youth Sustainability Challenge cohort!!



**WHO CAN APPLY**  
9th-12th grade students across Hawai'i

**WHAT YOU RECEIVE**

- Funding (up to \$1,000)
- Mentorship
- Training

**YOUR PROJECT CAN MAKE A  
POSITIVE DIFFERENCE!**



# MAHALO NUI LOA

The creation of this learning resource was supported by a Greening STEM grant awarded to Hui o Ho`ohonua 501(c)3 - hoh808.org



HUI O HO'OHONUA



NEEF  Greening  
STEM