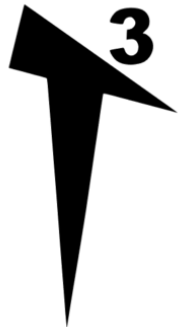


# Teaching Through Technology (T3) Alliance Training

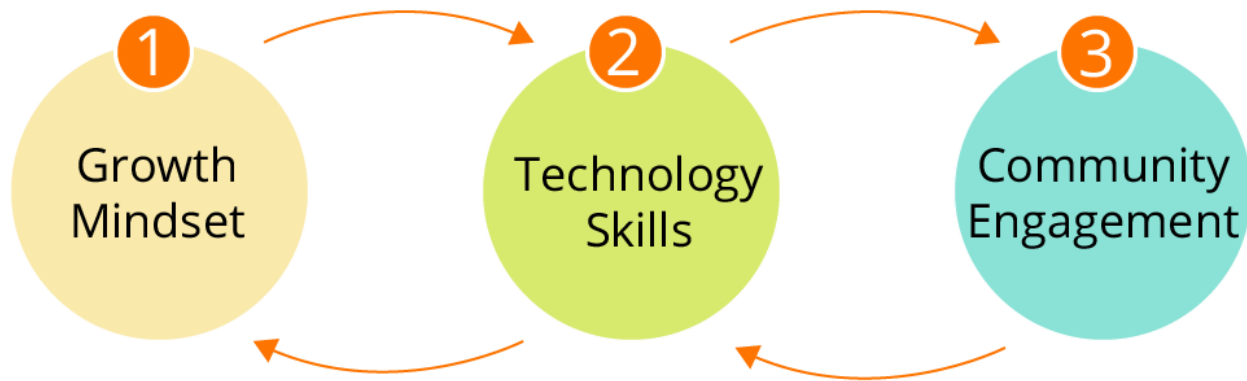
Northern Vermont University- Johnson Upward Bound

Hawi, HI | January 20<sup>th</sup>-24<sup>th</sup>, 2019

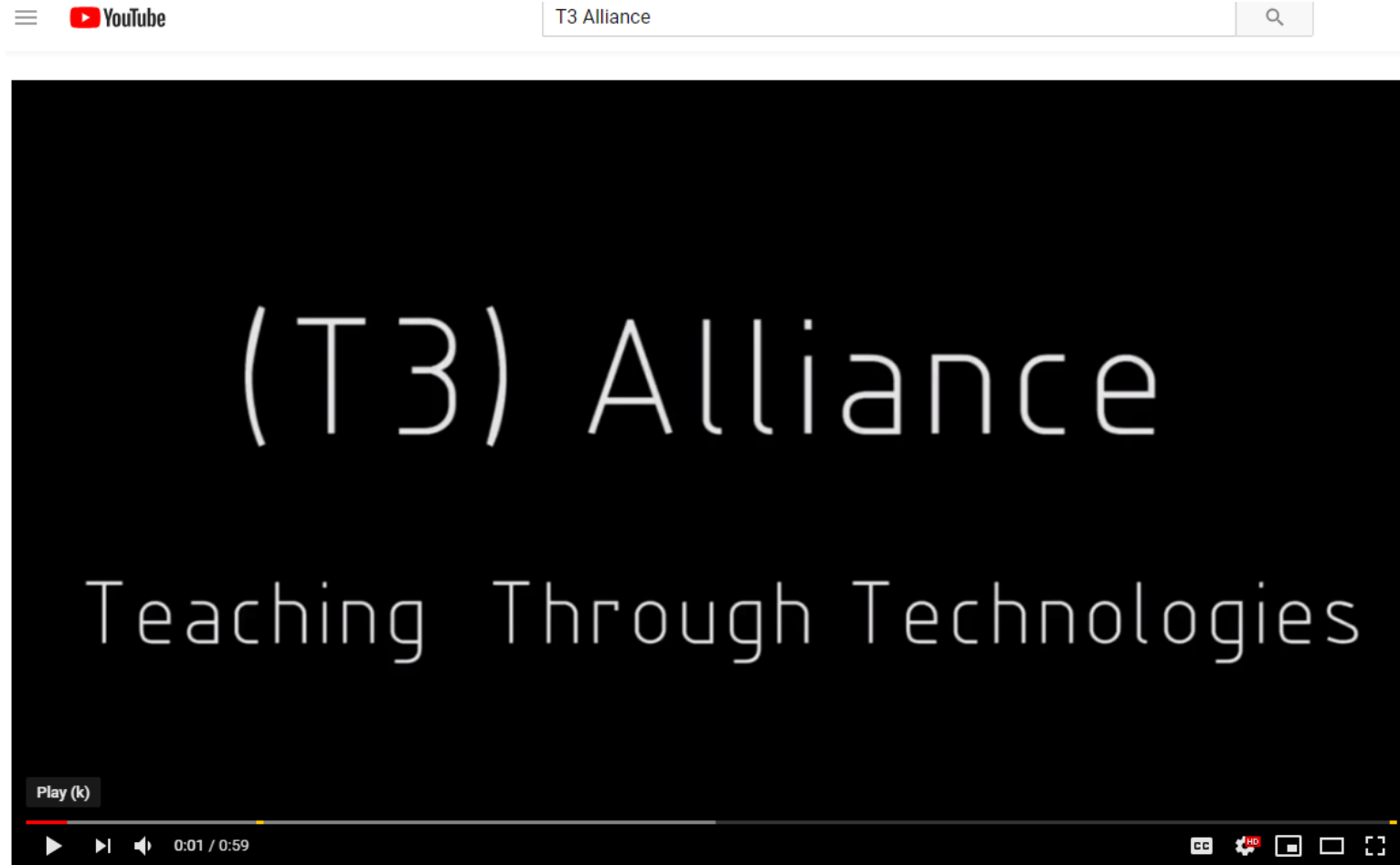


# What is the T3 Alliance?

The vision of the Teaching Through Technologies (T<sup>3</sup>) Alliance is to provide a replicable, adaptable, and scalable curriculum and a comprehensive support mechanism that can be widely adapted to increase the STEM interest and engagement of high school students from underrepresented minority groups.



► [https://www.youtube.com/watch?v=ioW0-XaW4\\_4](https://www.youtube.com/watch?v=ioW0-XaW4_4)



#hawaii #education #documentary

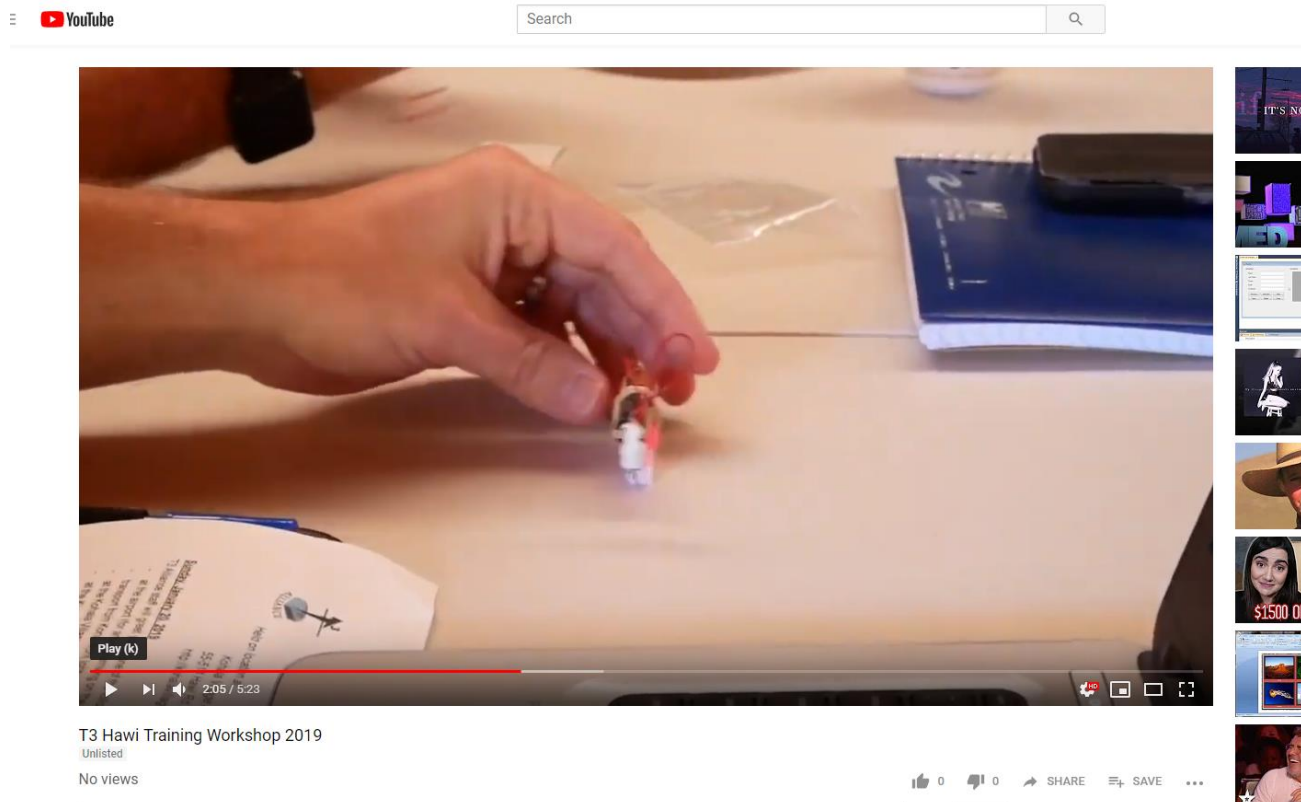
T3 Alliance Hilo Hawaii Summer 2018

- ▶ Funded by the National Science Foundation
- ▶ Working with 36 UB programs in 18 EPSCoR Jurisdictions



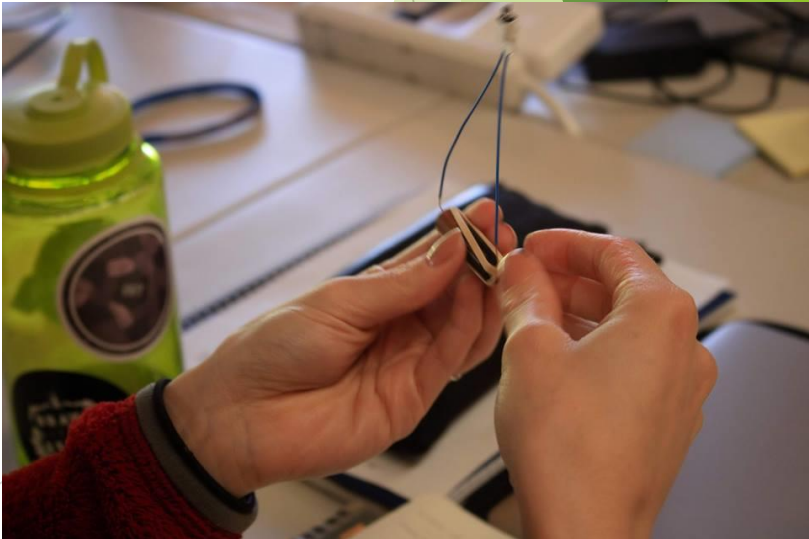
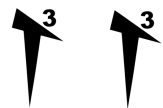
# T3 Alliance Instructor Training

► <https://www.youtube.com/watch?v=etusn8RfRzk>



- Growth Mindset
- Brush Bots
- Raspberry Pi
- Node Red
- 3D Printing
- Thinker CAD
- Design Mindset







# Community Engagement

- ▶ Community Garden
- ▶ Raspberry Pi with sensor & camera
- ▶ Coded to take a photo every 5 minutes
- ▶ Help document damage from pests and theft





# Partnership with UB

## AKA: The STEM Leadership Program

Through this partnership we plan to offer:

- ▶ Education on emerging technologies like; unmanned aerial systems, 3-D printers and **codable digital devices**
- ▶ **Hands on and community focused**, project based learning
- ▶ Collaboration, Critical Thinking, Problem Solving, **Design Thinking**
- ▶ Discovery of **careers and professionals** within the STEM field
- ▶ Building a **Growth Mindset**
- ▶ Unique learning and travel opportunities





# Questions?



- Learn more about T3 here: <http://t3alliance.org>



# NVU-J UB Community Guideline



## FULL VALUE CONTRACT

*Simply put, it is our belief that when we value others and ourselves, others see our value; when others see our value, we value ourselves.*

**TRIO**  
UPWARD BOUND





# STEM Field Experience Off Campus Guidelines

- ▶ Throughout the duration of our travels when we are off campus we ask students to stay in groups of 3 or more (even inside the hotel).
- ▶ Cell Phones will be permitted, but **should NOT** be used during scheduled STEM/UB programing including group debrief sessions.
- ▶ Students will be permitted to use the hotel waterpark only with the permission and supervision of the UB staff.
- ▶ Students are asked not to bring any non-prescription medication on this trip. UB will provide basic medical supplies for all participants. All prescription medication must be declared to the staff and turned over to the program staff.



# STEM Field Experience Hotel & UB Contact Numbers

- ▶ Tony's Cell Phone (802) 488-0205
- ▶ Erica's Cell Phone (802) 829-0923

## Hotel Information

### *Holiday Inn Resort Orlando Suites - Waterpark*

14500 Continental Gateway  
Orlando, Florida, 32821  
(407) 387-5437



ORLANDO SUITES - WATERPARK





# STEM Leadership Field Experience

## Packing List

- ▶ **Assortment of Clothing** — We will not be checking bags on our flights. Each participant will need enough clothes for 5 days including (Shorts, long pants, active wear)
- ▶ **MUST Use UB Issued Luggage/Bag** — We are using Frontier Airline Approved Bags!
- ▶ **Personal Items/Toiletries** - (Toothbrush, toothpaste & deodorant)
- ▶ **Rain Jacket/Sweatshirt** — (We are on the go rain or shine!)
- ▶ **Comfortable shoes** — (We will do a lot of walking throughout the day)
- ▶ **Pool Wear** — (Bathing Suit, sandals/flip-flops required to use the waterpark)
- ▶ **Plastic Bag** — (For packing your wet or dirty clothing)
- ▶ **Prescription Medicine** — (Should be turned in to UB Staff)
- ▶ **Watch** — Practice Good Time Management Skills. Please be On Time!



# Saturday, April 20

- ▶ 10:00 AM - 1:30 PM - Group Meeting and Lunch
- ▶ 1:30 PM - Check-in at Burlington International Airport
- ▶ 2:45 - 6:35 PM - Load Plane and Flight to Orlando
- ▶ 6:35 - 7:00 PM - Pick-up Rental Vans
- ▶ 7:00 - 8:30 PM - Travel to Hotel and Dinner Stop
- ▶ 8:30 - 9:30 PM - Hotel Free Time
- ▶ 9:30 - 10:30 PM - Group Debrief & Quote of the Day





# Sunday, April 21<sup>st</sup>



**6:30 - 7:30 AM - Breakfast at Hotel**

**7:30 - 9:00 AM - Travel to Kennedy Space Center**

**9:00 - 7:00 PM - Kennedy Space Center Bus Tour including Apollo/Saturn V Center, Space Shuttle Atlantis with Shuttle Launch Experience, Lunch with an Astronaut, and Heroes & Legends featuring the U.S. Astronaut Hall of Fame**

**7:00 - 9:00 PM - Travel Back to Hotel and Dinner**

**9:00 - 10:00 PM - Evening Wrap-up Discussions & Quote of the Day.**





# Monday, April 22

7:00 - 8:30 AM - Breakfast at Hotel  
8:30 - 9:00 AM - Travel to Epcot  
9:00 - 2:00 PM - Explore Epcot & Lunch  
2:00 - 2:30 PM - Travel to Disney Studios  
2:30 - 8:30 PM - Disney Studios  
8:30 - 9:00 PM - Travel to Contemporary Resort for Dinner  
9:00 - 10:00 PM - Dinner at Chef Mickey's  
10:00 - 11:00 PM - Group Debrief & Quote of the Day





# Tuesday, April 23

- 6:00 - 6:30 AM - Breakfast in Hotel
- 6:30 - 7:00 AM - Travel to Magic Kingdom
- 7:00 - 10:30 AM - Properties of Motion Physics Lab Workshop
- 10:30 - 12:00 PM - Explore Magic Kingdom & Lunch
- 12:00 - 6:00 PM - Enjoy the Magic Kingdom
- 6:00 - 6:30 PM - Travel back to Epcot
- 7:00 - 9:00 PM - Explore the World Showcase, Dinner and Illuminations Show
- 9:00 - 10:00 PM - Travel Back to Hotel,
- 10:00 - 11:00 PM - Group Debrief, Quote of the Day, Pack and Get Some Rest



# Wednesday, April 24

**7:00 - 8:30 AM** - Breakfast at Hotel and Morning Debrief and Wrap Up - Final Quote

**8:30 - 9:30 AM** - Travel to Airport

**9:30 - 11:19 AM** - Check-in at Airport

**11:19 - 2:22 PM** - Flight to Burlington, Turn in Journals, & Parents Pick-up Students at Airport

