Background Information

1. 3.5 Acres of land which implements traditional farming, hydroponic, aquaponics, and animal husbandry

2. We have around 189 students in our program

3. We have a variety of partnerships within our school as well as our community.
Hydroponic Systems

80 ft greenhouse- we run 8 hydroponic systems

Grow: Manoa Lettuce, Green Onion, Taro, Cilantro, Cucumber, Soybeans

Students learn: Safety Data Sheets (SDS), fertilizers, pH, germination rate, and GAP Practices
Traditional Farming

Students grow a variety of different crops that is then sold, taken home, or cooked in our certified kitchen.

Students learn: Pest control, fertilizers, soil structure, seed germination, crop rotation, tool safety, vegetable identification
Aquaponic Farming

Students are currently running 4 aquaponic systems that were 100% created and engineered by the students. We also have 4 vertical towers that are running.

Students grow: taro, wadabi, watercress, green onion. And mixed greens.

Students learn: pH, Ammonia, Nitrate, Nitrite, Fish Cycle, sexing of fish, crop management.
Animal Husbandry

Students work with animals on the farm, students do weekly cleaning, animal maintenance, vaccinations, daily feeding, egg collection and animal slaughtering.

We have a variety of guest speakers such as vets and our mule shoer come into the classroom as guest speakers.

Field Trips: Sweet Land Dairy, Peterson Egg Farm, Oahu SPCA
Partnerships within the school

Produce that is grown at Leilehua are harvested 2 times a week. Students follow GAP Practices to harvest and bag.

Produce is then given to our Special Education Students to sell to teachers at Leilehua, Iliahi, Wahiawa Elementary and Kaala Elementary.

Special Education Students receive 10% profit from each sale.
Partnerships in the Community

Leilehua Agriculture Department creates tours for a variety of different schools and age levels. Ex: Wahiawa El, Iliahi, Wahiawa Baptist, Trinity, Kalani High School, Castle High School.

Students harvest, pack and sell produce to a variety of different locations such as; Peterson Egg Farm, Hawaii Ag Foundation, Oahu Fresh, Sergios Mexican Restaurant.
Upcoming Events

1st Annual Pumpkin Patch at Leilehua High School

-October 21, 2017

-Pumpkin Patch, Fresh Produce, Games, Food, Hay Ride, and tour of Agriculture facility.

3 upcoming Tours within the month of October with 3 different grade levels.
Whats Next

Korean Farming

-Testing Korean Farming and traditional farming

Solar Panels for Aquaponic Green House

Agriculture Mechanics

-Welding

PASS Good Agriculture Practices (GAP) Certification