University of Hawai‘i
College of Education, Center on Disability Studies
Hawai‘i Aquaponics Workforce Maui (HAWM)

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Technical Trainees:
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University of Hawai‘i
College of Tropical Agriculture
Human Resources (CTAHR)

May 25, 2013

Windward Community College

MAHALO TO OUR VALUED PARTNERS

Maui Pet Shop, Wailuku Lanakila Club,
Hawai‘i Department of Human Services, Maui County Division
of Vocational Rehabilitation (DVR), Department of Health, state
Department of Labor (DLIR), Maui One-Stop,
, UH-Manoa Maui County CTAHR, UH Maui College SLIM,
Aquapono, Nelson and Pade (Montello, Wisconsin)
HAWAII AQUAPONICS WORKFORCE MAUI (HAWM)

Aquaponics through Discovery, Measurable Action, and Reflection
“Three Projects Under One Roof”

PROJECT ONE
Learning to Operate a Microenterprise

- Maui Menehune Mini Aquaponics (MMMA)
  - “No Soil No Toil”
- Learning to operate as owners-workers
  - Low risk, low investment
- Selling complete system with Technical Assistance is $275
Micro Systems: An Educational Bargain!

1. Collectively operated, start-up business used as learning and teaching tools. Trainees involved in writing SOPs and FAQ.

2. Learning - what it takes to be competitively employed.

3. Learning - how to operate a system, how to sell to customers

4. Socializing/Selling at Swap Meet, Pacific Rim conferences, Maui County Fair…
PROJECT TWO
Hawaii Aquaponics Workforce Workforce Development

Eight (8) micro systems as a classroom/lab to advance career and technical education training at UH Maui College Kahului campus.
Phases One-Two
Learning, Deeper Understanding and Working Knowledge

- Science and Application of Commercial Aquaponics (water quality, role of ammonia, beneficial bacteria colonies, plants, fish et al processes)
- Industry Recognized Standard Operating Procedures (SOPs) daily operation and documentation/data collection methods
PROJECT Three

**Actively Involved** supporting the assembly of the Clear Span greenhouse (5,000 sf)

- Installation of the two (2) commercial systems – Nelson and Pade, Inc.

- Phase three training will involve daily operation of Controlled Environment Greenhouse utilizing Biosecurity CITI Animal Care Standards, GAP, USDA Food Safety and aquaponics industry standards SOPs developed and trained by Nelson and Pade.

- Becoming certified technicians and educational school trainers.
IN CLOSING

NEW LEARNING: Everyone comes to UH with a set of problems to solve. We have developed a learning process that is built into daily operations everyone’s learning styles and needs, family and interpersonal strengths and needs.
Mahalo to College of Tropical Agriculture
Contact and Reference:

University of Hawaii Aquaponics Workforce
www.hawaiiaquaponicsworkforce.com

University of Hawaii Center on Disability Studies
www.cds.hawaii.edu

Nelson and Pade Inc., Montello, Wisconsin
www.aquaponics.com

Participatory Action Research: Wikipedia, the Free Encyclopedia