



Lessons Learned from a Pilot Internship

BUILDING ORGANICS STEWARDSHIP IN PUERTO RICO



Environmental
Finance
Center

Syracuse University

OUR SAD REALITY...



- ✘ **4,000,000,000** Lbs per year
- ✘ **3** pounds per person per Day
- ✘ **Recycling only 11%**



UNSUSTAINABLE



RESILIENCE TO SUSTAIN LIFE



MISSION: SUSTAINABILITY, RESILIENCE, CONNECTIONS





PUERTO RICO RECYCLING PARTNERSHIP

- Sustainable Materials Management Response
- Multi Stakeholder Partnership
 - All Levels of Govt. and Public
- Education, Community Outreach and Public Policy
- Market Development
 - Organics (Organics Management Education Internship)
 - By Material

INTERNSHIP IN SMM EDUCATION

✘ Mission

- + Sustainable Materials Management
- + ~~Waste~~

✘ Objectives

- + Knowledge
- + Infrastructure
- + Leadership

✘ Methods

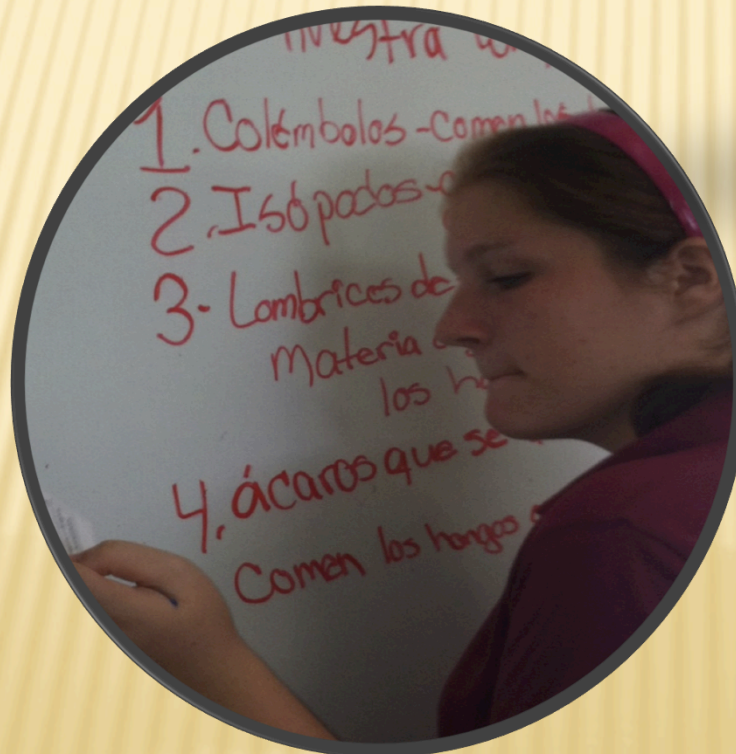
- + Education
- + Natural Sciences
- + Art
- + Agriculture

✘ Results



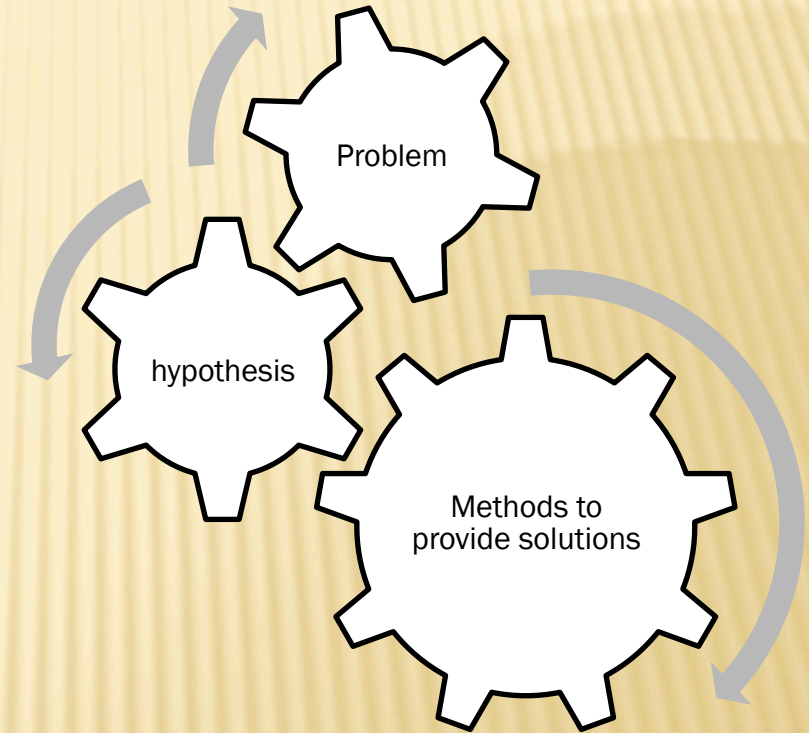
OBJECTIVES

- ✘ Exchange knowledge
- ✘ Integrate infrastructure
- ✘ Develop stewardship



METHODS

- ✘ **Exchange knowledge**
 - + Develop Curriculums (activity plans)
 - + Technology transfer
 - + Problem Base Learning
 - + Art + Creative thinking
- ✘ **Integrate infrastructure**
 - + Compost bins
 - + Worm bin
 - + Food gardens
 - + Trees for habitat conservation
- ✘ **Develop leadership in environmental Stewardship**
 - + Critical thinking
 - + Cultural heritage
 - + Problem based learning



Develop Curriculums, Technology Transfer, Problem Based Learning & Art!

EXCHANGING KNOWLEDGE



Training the Trainers



Trae de tu casa
tus periódicos y revistas

IFCO
RECYCLING

¡aní recíclamos!

VIVO RECYCLING

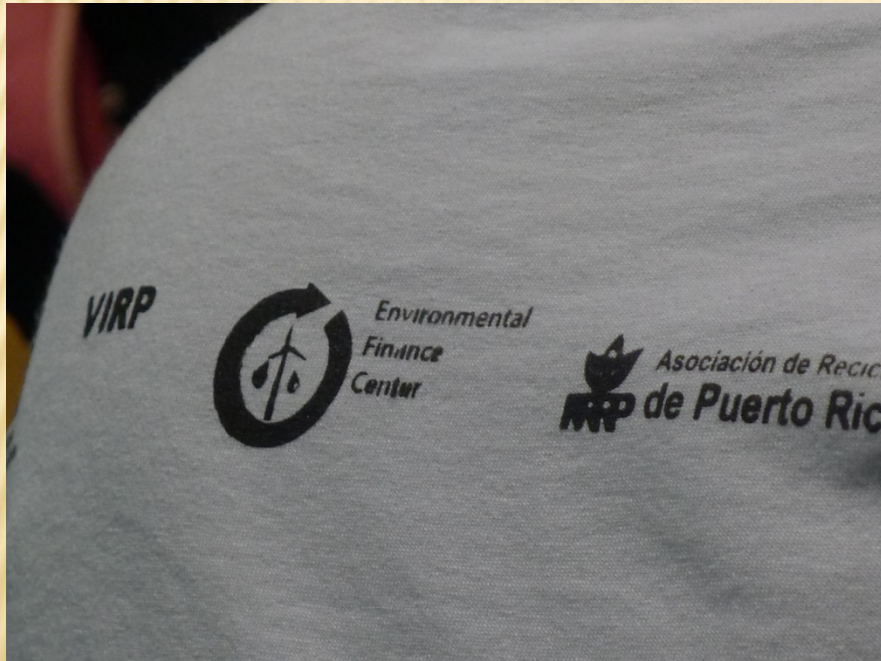








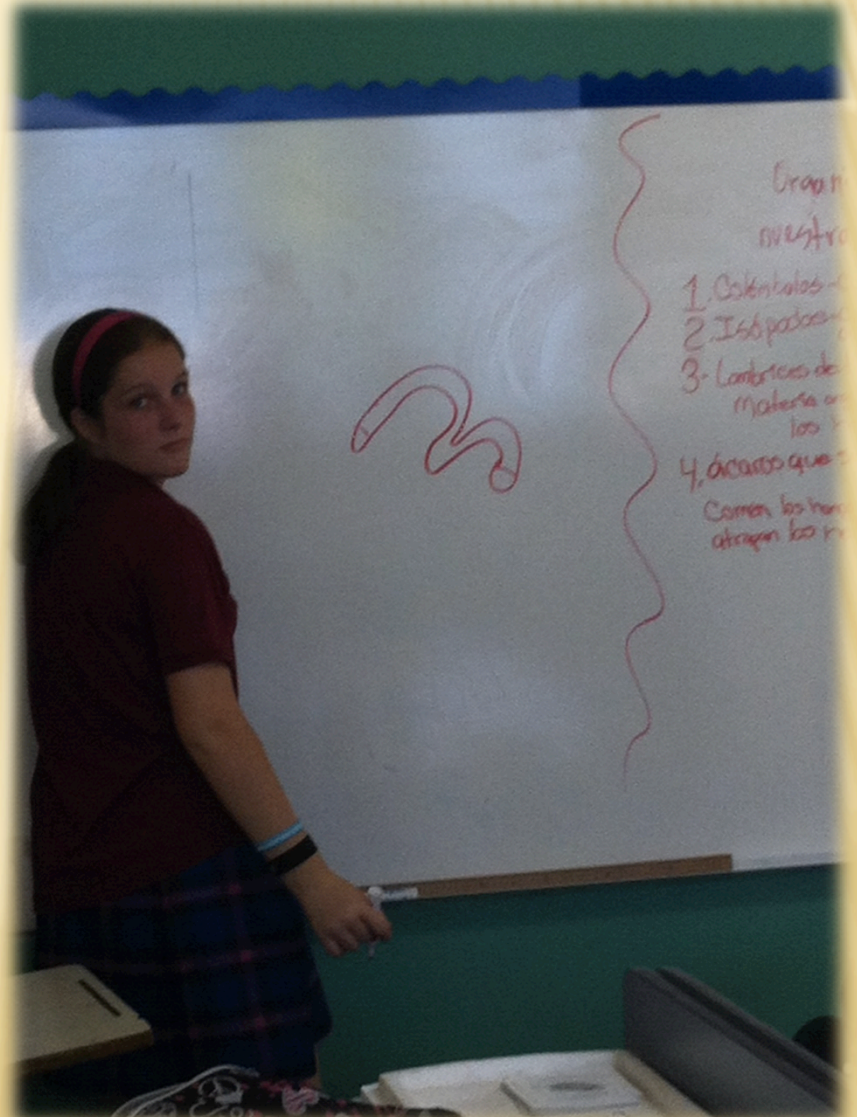
UNIFORMS!



TRAINING THE FUTURE STEWARDS



TRAINING THE FUTURE STEWARDS



MANTA SUMMER CAMP



- Compost bins
- Worm bins
- Food gardens
- Trees for habitat conservation

INFRAESTRUCTURE

INFRAESTRUCTURE



FOOD GARDENS & CONNECTIONS TO LIFE CYCLES



Critical thinking

Cultural heritage

Problem based learning

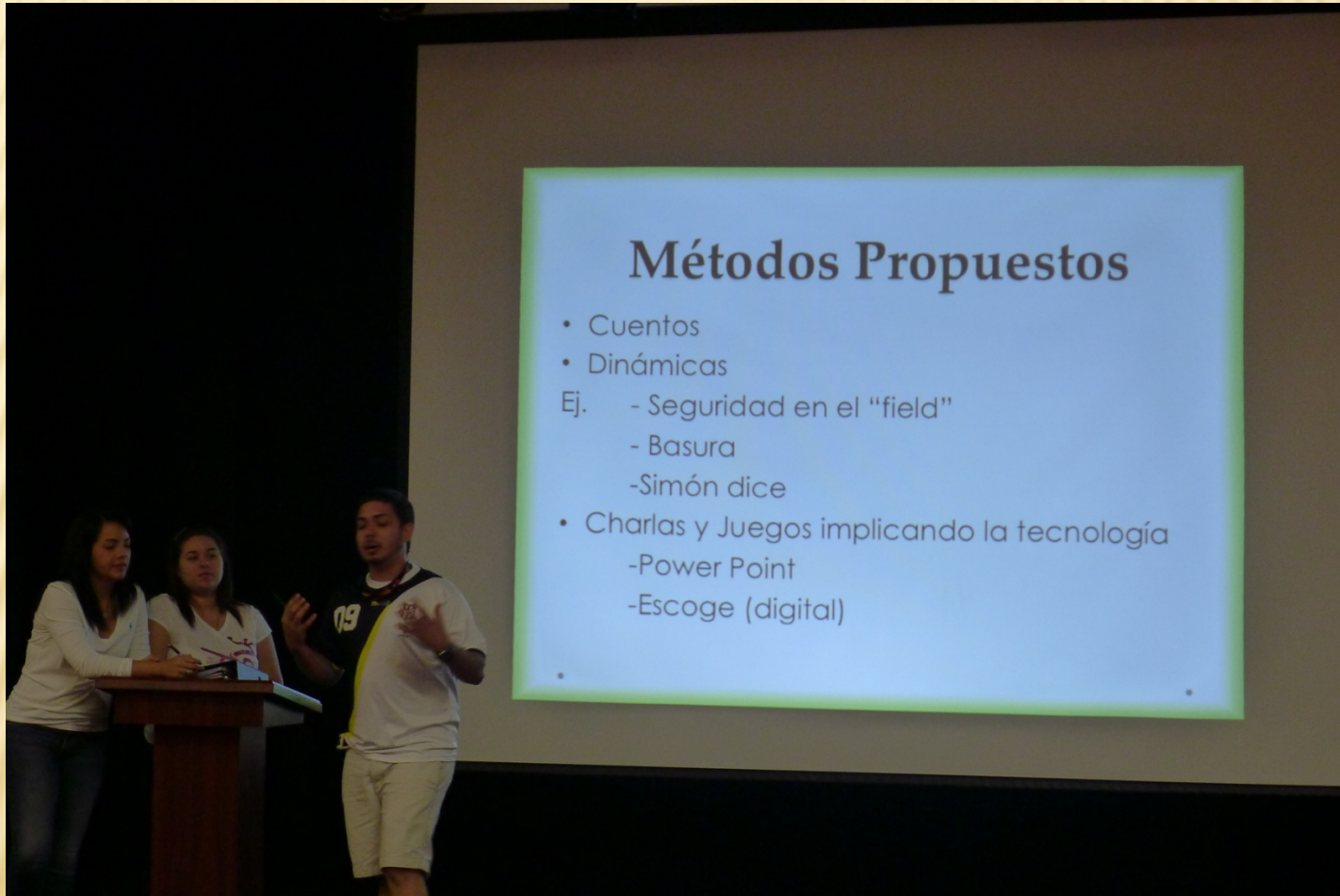
Training to encourage to teach others

DEVELOPING LEADERSHIP

FOLLOW-UP, FEEDBACKS & AUTOTRAINING



SHARING TEACHING METHODS



Métodos Propuestos

- Cuentos
- Dinámicas
- Ej.
 - Seguridad en el "field"
 - Basura
 - Simón dice
- Charlas y Juegos implicando la tecnología
 - Power Point
 - Escoge (digital)

AUDIOVISUAL RESOURCES

Grupo PP (Power Perú)

Basura:
¿Problema o Tesoro?

THE STORY OF
STUFF

Josué M. Rivera y Lorna V. Otero Monserrat

The image shows a man in a blue shirt standing to the left of a large projection screen. The screen displays a presentation slide with a green and yellow background. At the top, it says 'Grupo PP (Power Perú)'. Below this are three icons: a plastic bottle, a recycling symbol, and a recycling bin. In the center, there are two video thumbnails. The left one shows a pile of trash with the text 'Basura: ¿Problema o Tesoro?'. The right one shows the text 'THE STORY OF STUFF' where the word 'STUFF' is made of small images of various objects. At the bottom right of the slide is a speaker icon and the names 'Josué M. Rivera y Lorna V. Otero Monserrat'.

FOOD GARDENS AS A TOOL TO TEACH



DAILY PLANS FOR ACTIVITIES TO SHARE

Logo internado Puerto Rico Organic Education Internship Logo universidad
Nombre de la universidad

Escuela:
Grado:

PLAN DIARIO

Fecha: *(fecha del día en que se ofrece la lección)*

Tema: *(Título de la lección o tema. Descripción general de la lección o del tema del material que se va a cubrir en la lección. Se deriva del área que se está estudiando y debe guardar relación con los objetivos.)*

Objetivos: *(Específicos)*
(Indica el propósito y los cambios que ésta facilitador/a se propone hacer en el y la estudiante. Los objetivos deben redactarse en términos de una acción observable. Debe ser específico. El objetivo se redacta para el estudiante tomando en consideración los objetivos generales de la lección a enseñarse). Ver lista de verbos de conducta observable.

El objetivo consiste en: Persona, Acción observable, Situación, Concepto.

Preguntas claves para la lección:
1.

Materiales *(Lista de los materiales y los recursos pedagógicos que usarán en la lección.)*
1.

Procedimiento:
Es el conjunto de actividades que desarrolla ésta facilitador/a con los y las estudiantes

MULTIDISCIPLINARY COLLABORATION



RESULTS

- × **Organically Growing**

- + $40_{PR1} + 60_{PR2} + 10_{VI} = 110$ college students
- + 60+ schools
- + 1,000+ K-12 students

- × **Partnerships**

- + Puerto Rico Recycling Partnership
- + Agricultural Extension Services
- + Conservation trusts
- + Universities

- × **Tools to teach about compost**

- × **New generation of leaders**

- × **Compost!**

COMPOST!!



CONTACT INFORMATION

- ✘ Ana V. Arache - avarache@syr.edu
- ✘ Rafael Fernandez – rfernandezpr1@gmail.com
- ✘ prrecycles.org
- ✘ Environmental Finance Center, Syracuse University
- ✘ Cornell Waste Management Institute