

The Curriculum Proposal:
**Implementing more school gardens
and teaching waste as a resource to
help achieve food security**

Example case: Lima, Peru

22 October 2015

The Project



- ♦ Internship with FAO on an initiative regarding Food Security
- ♦ Workshops with MIDIS, MINSA, MINED, MINAGRI
- ♦ Intersectoral & interinstitutional cooperation
- ♦ School gardens & food security

My Role

- ♦ Aided in the construction of a garden
- ♦ Taught about food security and waste as a resource
- ♦ Developed ideas about how to foster intersectoral and interinstitutional cooperation



Conceptual Framework



- ♦ Using lesson plans (devised by me) to teach kids importance of food security and waste as a resource
- ♦ Empower a poorer community to grow more food for themselves and better understand the importance of proper nutrition during childhood and in school

Lesson Plans

1. Why is a garden important to us?
2. What is important to a garden?
3. Compost
4. Plastic
5. Seed banks
6. Connecting the dots
7. Reflections



Comm. Impact for potential FW in this/similar situation

- ♦ Increases access to food, productivity, nutrition/food security
- ♦ Able to include parents, neighbors, nearby restaurants, other community gardens, etc.
- ♦ Reduces municipality waste haul load, landfill fees, carbon fees, able to feed hungry people; etc.



The Proposal

- ♦ Teach waste as a resource regularly in schools using the garden as the venue



- ♦ Involve:
 - ♦ parents, teachers
 - ♦ if possible:
 - ♦ local cafes
 - ♦ MOSI or other museums (depending on location)
 - ♦ the zoo or local farms (FW = animal feed; receive starter plants from farms)
 - ♦ community gardens

Significance: Gardens act as an axis of major themes

Environment - Climate change
- Food waste
- Soils

Health
- Nutrition
- Healthy habits
- Food security

School Gardens

- Science & biology
- Art & literature
- Math
- Environment

Education

- Cooperation
- Skill development
- Sustainable development
- Youth, parents, professors

**Social
Inclusion**

School Gardens

- Rural development
 - Education
 - Environment
 - Family farming
 - Food security
 - Climate change
 - Nutrition
- Community building



- Soils
- Food waste
- Human development
- Public health

Food Security & Children



- ♦ Growing population
- ♦ Changing diets
- ♦ Climate change
- ♦ Ocean acidification & depleted fisheries
- ♦ Energy
- ♦ Soils

How do we do it?

Act locally

- ♦ Top-down or bottom-up approach
- ♦ Incorporate the garden into existing classes and topics
- ♦ Start small – potted garden
- ♦ Reach out for help from our neighbors – parents, farmers, museums, other schools

Think nationally

- ♦ Reach out to local, state & federal government
- ♦ Do a little research – there's tons of materials



The garden before and after...

July



October



From open space to more than 30 banana trees.

