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

Example case: Lima, Peru
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 the 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

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

School Gardens

Education

Health - Nutrition
- Healthy habits
- Food security

Social Inclusion - Cooperation
- Skill development
- Sustainable development
- Youth, parents, professors
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.