IPRO 335
One Laptop Per Child-Haiti
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The Problem

- The One Laptop Per Child (OLPC) project provides laptops to developing countries to enrich children's education through technology.

- In 2009 Haiti received 11,000 donated XO laptops.

- However, 95% of Haiti's primary schools have no electricity.
Our Project Goals

- Implementation
  - Trip in May of 2011
    - Raising money
    - Completing a Design
    - Acquiring Materials
    - Creating an Educational Component
    - Planning for Continuity
Organization of Our Team

- We divided our tasks into five main initiatives:
  - Solar Committee
  - PR Committee
  - Fundraising Committee
  - Model Making Committee
  - Educational Component Committee

- Each initiative has a dedicated set of members assigned to it but the entire group can be mobilized to address any specific issue as necessary.
Progress Toward Goals

- **Solar Committee**
  - Specifications and rough designs (bill of materials/diagrams)
  - More concrete budget estimate

- **PR Committee**
  - Written Tech News articles, contacted numerous PR outlets, e.g. Chicago Tribune
  - Compiled a list of NGOs that have not used all of the donated money
  - Strategic marketing plan to external organizations

- **Fundraising Committee**
  - Has collaborated with the Greek Community on campus for fundraising efforts
  - Has 3 more fundraisers planned
  - Identified targets and started grant-writing process
  - Initiated alternative methods for fundraising
Progress Toward Goals

- Model Making Committee
  - Made massing models
  - Decided on materials and scale of models

- Educational Component Committee
  - Decided on what topics to cover
    - Solar powering
    - Natural disaster preparedness and response
  - Have contacted elementary schools in US for content and to present to students
Major Obstacles Encountered

- **Solar Committee**
  - Determining whether or not an adjustable system would be cost effective

- **PR Committee**
  - Having a hard time making direct contact with PR outlets, NGOs & other organizations
  - How to market ourselves to be more attractive to these organizations

- **Fundraising Committee**
  - $37,000 is a lot of money to raise

- **Model Making Committee**
  - The models need to be robust and able to travel

- **Educational Component Committee**
  - Difficult finding ways to simplify technical information to present to primary students
  - It is a long process to get feedback from the teachers at the schools that we are working with
Anticipated Major Challenges

- Reaching goal of raising $37,000 in one semester
- Getting solar panels donated
- Getting the materials to the schools
  - Shipping
  - Customs
- Making the prototype something that becomes reproduced throughout all of Haiti
- Ensuring teaching materials are adopted into the curriculum and become sustainable
Our Needs

- Our needs include the following:
  - Solar equipment to test the model
  - Local expert on solar power system design
  - Funds for purchasing equipment and for making the installation trip
Questions?