

# SUCCEED

## Summer Center for Climate, Energy, and Environmental Decision-Making

### What is SUCCEED?

SUCCEED is a summer educational outreach program started last year by Engineering and Public Policy Alumni Kelly Klima. The program consists of a two day teacher workshop and a five day student session and is run entirely by volunteers in EPP with curriculum developed by our graduate students.

### What are SUCCEED's goals?

SUCCEED's primary goal is to promote awareness of climate, energy, and environmental problems for young, aspiring scientists and engineers. The program also provides a unique opportunity for our graduate students in EPP to teach high school students interesting topics directly related to their doctoral research.



Energy audits are performed by measuring the energy requirements of everyday devices



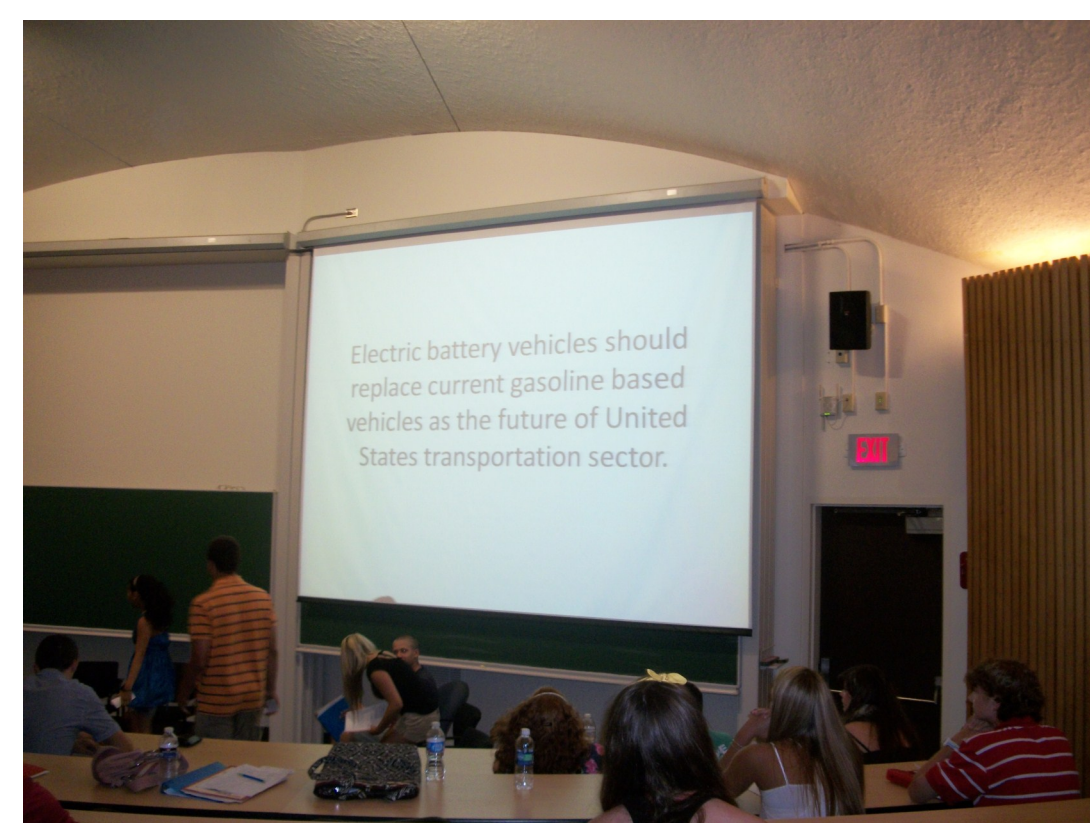
SUCCEED students controlling the "Fate of the World", a board game about the future of energy and climate



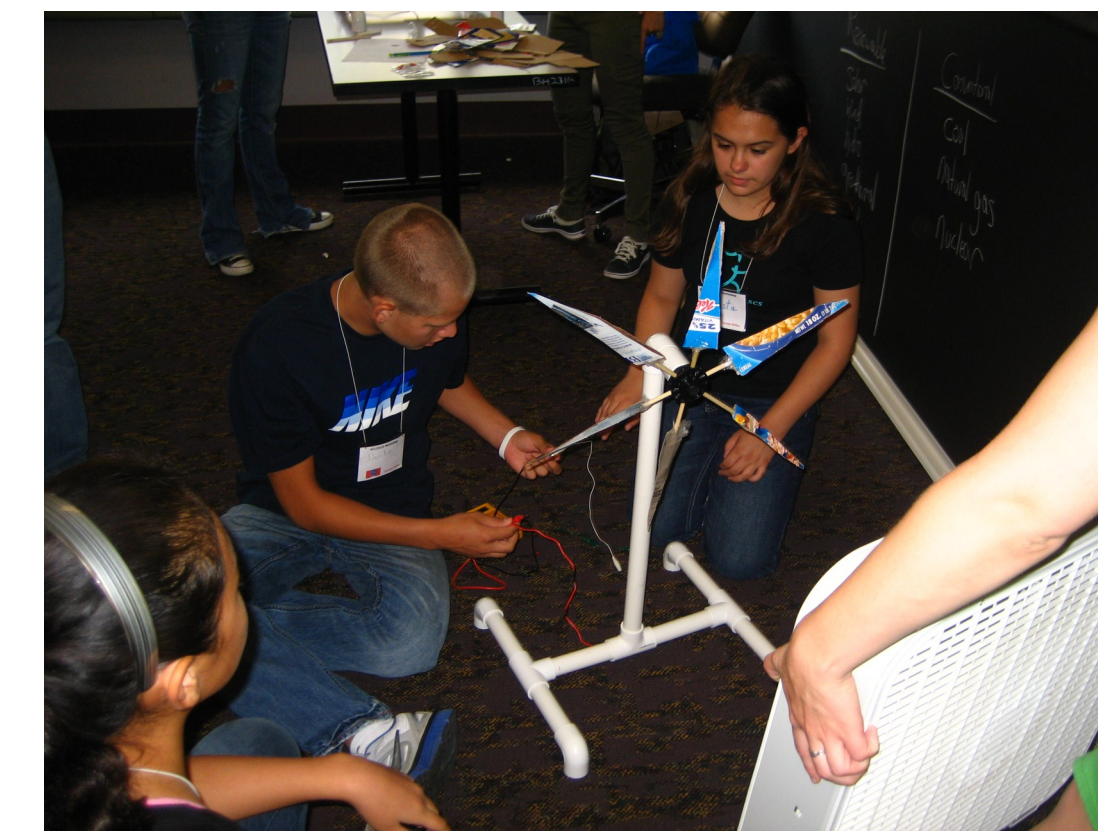
Kim and Brinda, revealing the secrets of life-cycle analysis to 9th grade students



Students try out different light-bulbs to learn about tradeoffs between lighting and efficiency



Culmination of the weeklong event results in a debate on the final day



Future engineers in the making building wind turbines from PVC pipes and cardboard



Hands on measuring of solar irradiance

### What is taught at SUCCEED?

The student developed curriculum for SUCCEED focuses on the concepts of climate change mitigation and adaptation through engaging activities including hands-on experiments, board and card game teaching devices, and field trips.

Our preliminary student schedule for 2012:

Monday, August 6:

- . Basics of Climate Change
- . GHG Effect
- . Natural History Museum Tour

Tuesday, August 7:

- . Ocean Acidification
- . How power plants work
- . Nuclear plants
- . Bruce Mansfield Coal Plant Field Trip

Wednesday, August 8:

- . Renewable Energy
- . Energy Efficiency/Energy Audit Activity
- . Transportation
- . Margaret Morrison Tour

Thursday, August 9:

- . Electricity Mix Activity
- . Carbon Footprinting/LCA
- . Individual Actions & International Perspectives
- . Cap and Trade Game

Friday, August 10:

- . Lunch Career Panel
- . Final Debate

SUCCEED is made possible by sponsorship from CEDM, the Gelfand Center, and the Grabel Foundation



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