IPRO 314 - Greening and Reuse of Queen of Peace High School Facilities

Green-Tech Green-Opportunity
Statement of the Problem

- Queen of Peace High School, Burbank IL, incurred substantial student losses during a ten year period. (1500 to 650 students)

- Misappropriated facility space stemming from student decline

- Request to lower baseline operating expenditures through sustainable technologies
## Organization of the Team

### I-PRO 314 Organization

**Advisors:**
- Jim Braband
- Nancy Hamill

### Alternative Re-use Team:
- Rawan Abbasi
- Kyle Dralle
- Ryan Dudek
- Sarah Pfeifer
- James Rossi
- Mimi Wide

**Back-up Presenter**

### Greening Team:
- Sana Ihmound
- Meghan Murdock-Barriball
- Erin Pederson
- Nicholas Sahm
- Kaumil Shah

**Presenter**

**Green Leader**

**Team Leader/Presenter**
Goals for Greening Team

To draw up formal proposals of possible efficiency techniques:

- Increasing efficiency of existing school facilities
- Implementing Greening technology to new programs
- Increasing the education of greening techniques to school population
- Promoting the school through sustainability

Progress Toward Goals

Tour of facilities and discussion of ‘wants and needs’

- Acquisition and analysis of current facility expenditures
- Research and greening processes
- Feasibility study through cost analysis
Goals for Re-use Team

To draw up formal proposals of possible alternative space reuse techniques:

- Implementation of community center
  - Open to students, Burbank residents, surrounding schools and churches
  - Library open to students and public
- Conversion of library space into conference rooms and international communications center
- Courtyards

Progress Toward Goals

Schematic Design for Courtyards & Community Center

- Research of “Greening” & International Communication Center
- Making building concepts coincide with schools identity
Major Obstacles Encountered

- Identification of the problem
- Brain-Storming ideas and solution
- Clients ‘wants and needs’
- Funding
- Allocation of tasks to team members
Anticipated Challenges that Lie Ahead

- Cost vs. Benefit analysis
- Prioritizing ideas
- Market ideas appropriately to community
- Finding grants/funds and acquiring professional advice
- Proper division of tasks as progress continues
Questions?