

# Buchanan Energy Academy



## Students

### Freshman& Sophomore classes

- Science 1/Alg 1/Eng 9
- Biology/Geometry/Eng 10
- Field Trips
  - Fresno State Solar
  - Methane Farm
  - SJ Tech Museum
  - SJ River Gorge
    - Hydro electric/biodiesel/erosion
- Project based learning

## Teachers

- CTE Conference
- Career Choices – Eng
- AP Environmental Conference
- PG&E Project NEED
- FCC Alternative Fuels
- FCC Wind Energy
- Utility-Scale Wind Turbine Tech Training
- Starting programs in PV

**Curriculum Development  
2008/2009 school year**



Students traveled to the SJ River Gorge where they were allowed to visit the hydro electric plant. They received lessons in bio diesel fuel and soil erosion. They were able to ask questions and discovered the pros and cons of these types of energy sources.

## San Joaquin River Gorge Trip

- Community Partnership Meetings
- Energy Academy Planning Days
- Staff Trip to Tehachapi
- Contacts and meetings with:
  - State Center Community Colleges
  - UC Merced
  - Chevron
  - P G & E
  - Fresno Economic Development Corporation
    - BHS Energy Academy featured in Annual Report
  - Regional Jobs Initiative

## **Curriculum/Courses Development**

- CART Trainings
- SCC seminars
- CTE District Trainings
- One on one recruitment through departments
- Involvement with EDC and RJI
- Continue sending teachers to trainings
- EA teachers have same prep
- All EA classes on even periods for field trips or special events

## **Developing Site and Team Membership**

- Current enrollment in the Energy Academy is 87
- Applications received for next years class is currently underway
- Solar Car races at ASI bring in more applicants.



2008-09 Science 1/Algebra 1/Eng 9

2009-10 Science 1/Algebra 1/Eng 9

Biology/Geom/Eng 9-10

Chem/Algebra 2/Eng 10

2010-11 Science 1/Algebra 1/Eng 9

Biology/Geom/Eng 9-10

Chem/Algebra 2/Eng 10

Physics/AMA

AP Environmental Science

E Tech (Capstone) 11

2011-12 "Green" Construction ROP

CAD – possible required course for Freshman

# Enrollment and Courses



- Develop an ROP class
- Start recruiting partners interested in having Internships
- Get feedback from industries to continue curriculum development. Where are the biggest needs/skills?
- Where can we include you?

# The Future is so Bright!