West Side Science Club – Event #23 – “Field Trip to USC”

Original Presentation

Date: 15 February 2014
Time: 10 am to 12 pm
Site: USC Loker Hydrocarbon Research Institute

Big Questions

- These questions are meant to frame the day’s event and might be written on the chalkboard
  
  (1) What is a fuel cell?
  
  (2) What do you think of this college campus?

Concepts

- Concepts to cover from the “Work of CCI Solar” Mind Map: Storage- fuels, batteries; Social Aspects- CO2, greenhouse gases, climate change, global energy demand, fossil fuels, renewable vs. nonrenewable; Devices- design, cost-effectiveness

Lesson Plan

Student Objectives

- Learn what another college campus is like
- See how other research labs are like Caltech and do similar, but different, work
- Be exposed to fuel cell technology

Schedule/Agenda

- Welcome and breakfast (20 min)
- Presentation from Robert Aniszfeld on methanol fuel cells (1 hr 20 min)
- Lab tour of Loker Hydrocarbon Research Institute (20 min)