West Side Science Club – Event #27 – “Field Trip to H2 Filling Station”

Original Presentation

Date: 29 March 2014
Time: 10 am to 12 pm
Site: Shell H2 filling station in Torrance

Big Questions

• These questions are meant to frame the day’s event and might be written on the chalkboard

  (1) How do Fuel cells work?

  (2) What advantages do you see to using this technology? Do you foresee any obstacles?

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

• Become familiar with fuel cell technology better
• Get a VIP experience testing and viewing the fuel cell cars
• Understand the current state of H2 car technology and where it is heading

Schedule/Agenda

• Opening talk by members of California Fuel Cell Partnership
• Demo of how to fill up the cars
• Test drives and viewing the fuel cell cars