

## 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- CO<sub>2</sub>, 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 H<sub>2</sub> 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