

Learn and Teach about Hydrogen and Fuel Cells!

Hydrogen Technology and Energy Curriculum (HyTEC)

Professional Development Opportunity for High School Teachers

Who: High School Teachers of Environmental Science, Chemistry, or Physical Science

What: Hydrogen and Fuel Cells Curriculum and Professional Development

When: August 6-7, 2012

Where: Schatz Energy Research Center (SERC), Humboldt State University, Arcata

The Workshop

Attend a two-day workshop led by scientists, engineers, and curriculum developers working on hydrogen and fuel cells. Participants will be able to borrow classroom kits from SERC or the Humboldt County Office of Education (in-county teachers whose school contracts with the HERC) to teach the curriculum during the school year. Workshop participants who reside in Humboldt County will receive a \$200 stipend. Out-of-county participants will receive a \$250 stipend.

The Curriculum

The one- to two-week flexible curriculum module includes an introduction to alternative energy for transportation, electrolysis of water to produce hydrogen fuel, use of the hydrogen produced to run hydrogen fuel cells and measure efficiency, and the chemistry of the fuel cell reaction, in addition to practical applications and challenges of this technology and environmental issues related to energy use.

Kit Materials

The kits available on loan to each participant include one complete set of teacher materials and eight complete sets of classroom materials, for a classroom of 32 students working in groups of four.

Interested? Contact Allison Oakland, SERC Education & Outreach Coordinator, allison@humboldt.edu or 707-826-4345.

