



Science Education Partnerships, SEPS, program  
Center for Genome Research & Biocomputing  
Oregon State University, 3021 ALS Bldg, Corvallis, Oregon 97331-7303  
<http://www.seps.org>

### **Renewable Energy Workshop for Educators (FREE)**

Tuesday-Thursday, August 18-20, 2009

8:30-3:30 each day on OSU campus

Have you ever wanted to

- Understand more about the science and engineering behind renewable energy?
- Present hands-on activities to your students?
- Have access to teaching kits on energy? SEPS will loan a K-12 Energy Science kit (solar cells, wind turbines, fuel cells, teacher's guides, etc.) to workshop participants.
- Become a solar classroom?

### **Energize Your Science Program with Solar, Wind, Tides, Hydrogen, and Biofuels**

--Three August days at OSU to recharge, renew and rev up your science batteries

Includes snacks cooked in a solar oven and OSU catered box lunch each day

Tuesday, August 18th

- Overview of energy sources
- Design a fuel cell car
- Cook up some bio-diesel fuel
- Envision a future hydrogen economy

Wednesday, August 19th

- Design a passive solar home
- Green tour of campus buildings
- Build and race solar cell cars
- Play around with engineering design software

Thursday, August 20<sup>th</sup>

- Test wind vane variables
- Build a wind farm
- Hear about harnessing wave and tidal energy
- Wrap-up discussion
- Tour of Dixon Pedal Power (with free pass to stay and use the facility)

Specific information about our OSU scientists, the day's schedule, your lunch order, location and time to meet will all follow in late July. Deadline for registering is **June 5<sup>th</sup>**. We will be limiting this to 30 people so sign up early.

To register, reply to this email with:

1. your name
2. summer phone number and e-mail address
3. school name and grade level(s) taught OR community affiliation

For additional information or to register for this workshop contact:  
[gerdemag@science.oregonstate.edu](mailto:gerdemag@science.oregonstate.edu) OR call Gail at 926-3436

Gail Gerdemann, SEPS Coordinator