

theHoustonMuseumofnaturalscience



Wiess Energy Hall

Energy Resources for Teachers

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Houston Museum of Natural Science: Wiess Energy Hall. Our Web site has K-12 TEKS-based teacher materials to accompany all the permanent and special exhibits including the energy hall. Go to each grade level from 2nd- high school for energy.

http://www.hmns.org/education/teachers/field_trip_units.asp

We collaborate with other energy education organizations such as the ones below. If you want additional contact information for any organization please e-mail me.

National Energy Education Development (NEED) - has the most extensive materials for teaching about energy. They conduct workshops every summer to acquaint teachers with their materials. They will have one this summer in Galveston and they are usually sponsored so that they are free for the teachers.

www.need.org

State Energy Conservation Office (SECO)

SECO's mission is to maximize energy efficiency while protecting the environment.

Description of SECO's great curriculum:

Alternative Energy begins by introducing physical and chemical principles of energy and fuels, then proceeds to investigations of the nature and extent of energy resources, the economics and environmental effects of energy use, alternative energy technologies, global climate change, and related health and safety issues. Thematic lessons are included for schools that use a school-wide approach to teaching.

HMNS will be having teacher workshops to train the teachers on using their materials and then give the materials to the teachers for free next school year on October 10, 2008 and February 17, 2009.

<http://www.seco.cpa.state.tx.us/>

SECO has a site called Watt Watchers. It has many wonderful activities. Watt Watchers of Texas is a free, state sponsored program to help schools save energy and money by getting students involved.

<http://www.wattwatchers.org/>

Project Learning Tree is through the American Forest Foundation. Their PreK-8 Energy & Society kit uses hands-on activities, music, and dance to teach about energy. They will teach the teachers how to use their materials and then give them the materials for free.
<http://www.plt.org/>

The Society of Petroleum Engineers, SPE, will have evening workshops at HMNS next school year on November 18, 2008 and December 9, 2008 featuring Ron Hinn who will speak about the economics of energy.
http://www.energy4me.org/site_map.htm

The Offshore Energy Center's *Ocean Star* in Galveston has a jackup drilling rig students can visit to learn all about the offshore business. They also have programs for teachers and scouts. They have free traveling classroom exhibits teachers can use for one month to help teach about energy.
<http://www.oceanstaroec.com/>

Minerals Management Service will send you posters with lessons related to the Gulf of Mexico. This includes geological information related to the oil industry.
www.mms.org
caryl.fagot@mms.gov

The Bureau of Economic Geology has great resources. They have a warehouse in the Houston area where you can see core samples from all over the world. Geologists go here to do research.
<http://www.beg.utexas.edu/>

Other great Web sites:

The American Petroleum Institute has some of the best resources:

<http://www.api.org/>
<http://www1.eere.energy.gov/kids/>
<http://www.energyquest.ca.gov/>
http://www.energyquest.ca.gov/teachers_resources/lesson_plans.html
<http://geology.com/>
<http://www.adventuresinenergy.org/main.swf>
<http://www.nrel.gov/learning/>
<http://eo.ucar.edu/kids/green/cycles2.htm>
<http://education.usgs.gov/common/primary.htm>
<http://www.nef1.org/educators.html>
<http://www.energy.gov/forstudentsandkids.htm>
<http://www.eia.doe.gov/kids/>
<http://www.classroom-energy.org/>
<http://www.shell.com/us/energizyourfuture>
<http://www.infinitepower.org/calculators.htm>
<http://www.energyhog.org/>
<http://aoghs.org/>
<http://www.willyoujoinus.com/energyville/>