

**From:** physics-request@list.nsta.org [mailto:physics-request@list.nsta.org] **On Behalf Of** Clint Cole  
**Sent:** Monday, February 01, 2010 3:45 PM  
**To:** physics@list.nsta.org  
**Subject:** physical science

Hi, **I am teaching a 10<sup>th</sup> grade physical science class and am looking for some good labs/projects dealing with energy resources.** We will be discussing fossil fuels, nuclear energy, renewable energy sources, etc. Any ideas are helpful. Thank you so much for your time!

-Clint Cole

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I "see" the NEED project and will "raise" with Living and Working in Space: Energy - Solar Energy for Space Exploration  
[http://www.nasa.gov/audience/foreducators/son/energy/solar/F\\_Solar\\_Energy\\_2column.html](http://www.nasa.gov/audience/foreducators/son/energy/solar/F_Solar_Energy_2column.html). It is a Problem Based Learning using NEED activities, NASA solar data and much more. You really can't lose with either program.

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One word: [www.need.org](http://www.need.org) it's the website for the NEED Project, and their curriculum guides are second to none. I suggest Energy Expo for your energy source projects, but if you haven't already discussed what energy is and how it is transformed from one form to another, you should start with Secondary Science of Energy. I think you'll find a lot of great stuff there. Also, take a look at the calendar and see if there is a workshop coming up in your area, and go. Nothing is better to give you an idea of everything NEED has to offer.

If you have more questions, holler!

Caryn Turrel

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Indiana Teachers' Advisory Board Member, NEED