



Nature-Watch

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Planet Power

1. Skill Builders (2)

- a. "Conduct an energy audit at your home, troop or group meeting place. Check windows & doors for drafts. Make checklist for inefficient use of energy. Recommend improvements. Carry out at least one of your suggestions."
- b. "At a building supply store, learn about insulating materials. Learn the meaning of the term "R-values". What are recommended for ceilings, outside walls & floors in your area."
- c. Create a game that shows how energy moves within a habitat like a deciduous forest. Are there more producers than consumers? Why or why not?

Recommended Products:

[Food Chain Activity Kit \(#146\)](#)

- d. How much electricity does each appliance in your home consume? Use the formula in your book to calculate how much electricity each appliance uses.
- e. Visit your local electric company. Ask about problems utility companies face today.

2. Technology (1)

- a. Search the library for names of solar energy information services & companies. Proceed with an activity from your book.
- b. "Review 3 sources of energy, including nuclear power, & hold a debate in your group."

Recommended Products:

[Energy Science Kits \(#278b-h\)](#)

- c. Suppose there is a severe oil shortage. Prepare a plan to help your family & community respond to this emergency.
- d. "Choose 2 of the following energy sources: oil, nuclear, hydroelectric, gas, solar & coal & determine steps involved in transporting this energy from its production site to the consumer."

3. Service Projects (1)

- a. "Visit a recycling center & consider: options available for glass, paper, aluminum, plastic? Can food waste be recycled? Can you avoid purchasing over packaged items?"
- b. "Make plans in case your home is without electricity for 2 days. How will you keep warm, cook, do homework?"
- c. Teach Brownie or Junior Scouts how to make recycled paper out of newspaper.

Recommended Products:

[Eco-Solutions Activity Kit \(#109\)](#)

- d. Put on a puppet show or skit for a group of younger Girl Scouts showing the connection between recycling & energy conservation.

4. Career Exploration (1)

- a. Invite a panel of speakers to discuss with your troop career options in the energy field. Put together a pamphlet. Distribute it to other troops.
- b. "Become an "expert" in one area of alternative energy. Compare advantages & disadvantages. What careers would be open to you?"



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- c. Shadow an ecologist & see what an average workday is like. Ask questions you have prepared.
- d. Create a time line of events in the history of nuclear science that includes the people mentioned in your book.