

Traveling Energy Exploration Station

Renewable Energy Activity

Supply List

The following activities are included in the Renewable Energy Traveling Energy Exploration Station. Items in italics will need to be provided by the person checking out the station.

Activities

Wind

- Make your own wind meter- Index cards, paper clips, patterns, *glue, scissors*
- Blast Off- balloons, straws, string, *tape*
- Testing a Wind Turbine- water bottle, manila folder, thumbtacks, smooth round pencils, thread, rubber bands, stopwatch, *fan, meter stick, scissors*
- Wind Energy: True or False- game pieces

Hydropower

- Build a Dam- plastic tub, plastic animals, fake plant, rocks, *water, natural or recycled materials such as sand, sticks, rocks, wood chips, paper, plastic, metal,*
- Hold that Drop- eyedropper, wax paper, *water*

Solar

- You are my Sunshine – Solar Mask- paper plates, construction paper, *markers, glue, scissors*
- What color absorbs the sun's heat the best? - construction paper, timer, *ice cubes*
- Sun Job Sentences- game pieces

Geothermal

- Make a Geyser- hotplate, pan, funnel, balloon, *water*

Biomass

- Gas From Garbage- dried beans, clear plastic bag, *water*

Resource Outlet

Videos

The Race to Save our Earth Video
Science in Action: Solar Energy Video

Books

1. The Wind at Work
2. Energy for Keeps: Electricity from Renewable Energy
3. Energy from the Sun
4. Wind and Water Power
5. Energy Resources Around the World
6. Recursos energeticos alrededor del mundo
7. Corn
8. Wind, Water and Sunlight
9. Good Planets are Hard to Find
10. Energist: Water
11. Energist: Renewable Energy