

Energy Trunk Checklist

Energy Samples	Check
Coal packets (peat, lignite, bituminous, anthracite)	
Oil (wrapped in bubble wrap)	
Simulated nuclear fuel pellet	
Wind pinwheel	
Photocell kit (kit contains paper directions, 1 photocell, 2 wire connectors with alligator clips, 1 motor, 1 propeller, 1 buzzer, 1 mini light bulb, and 1 mini light bulb socket)	

Videos	Check
Bill Nye the Science Guy: Energy	
Bill Nye the Science Guy: Electrical Current	
Simple Things You Can Do To Save Energy In Your School	
Our Fragile Earth: Energy Efficiency and Renewables	

CD Rom	Check
Energy & Environmental Issues	

Posters (folded with 2 ideal clamps)	Check
Fueling the Future	
Energy Management In and Around Your School	
Renewable Energy Sources	

Books/Booklets	Check
Energy Education Resources	*You can
Energy Saver's Guide	KEEP
Energy Glossary	these*

Station Break Activity	Check
Ball	
Flashlight	
10 Rubber bands of various thickness	
Stopwatch	
7 laminated station break cards	
Radiometer	
Hair dryer	
Paper fan	
Battery operated object #1 (toy)	
Battery operated object #2 (toy or other)	
3 wind-up or pull back toys	
2 party noisemakers	
Kazoo	
Sleigh bell shaker	
1 wooden instrument with 1 wooden tapper	
Maraca or fruit shaker	

Circuit Circus Activity	Check
12 laminated "E" squares	
3 laminated "I am a battery" signs	
1 laminated "I am a light bulb" sign	
1 16' long piece of string	
5 Electricity Discovery Kits (each with a double battery holder,	

2 switches, 2 bulb holders, 2 bulbs, 5 wire connectors with alligator clips, and 2 “D” Cell batteries)	
4 flashing smiley balls	
Overhead transparency: <i>Diagram of a Series Circuit and Diagrams of Parallel Circuits</i>	

The Cost of Using Energy Activity

Check

75 watt incandescent light bulb	
20 watt compact fluorescent	

At Watt Rate Activity

Check

Overhead transparency: <i>Annual Energy Expenses for a typical Wisconsin household</i>	
Overhead transparency: <i>U.S. Electricity Consumption by End Use, 1993</i>	
Watt meter	

Diminishing Returns

Check

2 bulbs from Cost of Using Energy Activity	
Overheads: <i>Comparison of Efficiencies</i>	
Overhead: <i>Calculating System Efficiencies</i>	
Overhead: <i>Steps of the Relay Simulating Energy Conversion Process</i>	
Overhead: <i>Converting Chemical Energy to Light Energy</i>	
3 plastic containers with 1 hole in bottom	
3 plastic containers with holes covering 1/3 of the bottom	
6 small paper cups	

Other

Check

Energy Trunk Guide and all encompassing materials! <ul style="list-style-type: none"> • “I am a light bulb/battery” signs (4) • Station break cards (7) • Overheads • Watts Up? Student workbook • Watts Up? Teacher’s Guide copy • Sheets from each activity and poster • Checklist 	
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