



FPL®

Lesson: Wind Energy – Making and Testing Pinwheels to Lift a Load

Materials Needed:

- Large straw (Standard size – about 8.5")
- Thinner straw (Not bendable), wooden skewer or pencil
- String (Cotton is best) (About 3 feet)
- Large disposable cup (Around 16 ounces)
- Small disposable cup (Around 6 ounces)
- Scissors
- Tape, paper clip, binder clip or rubber band
- **Pinwheel template** on card stock
- Fan or blowdryer (Optional)
- Pennies

Lesson: Hydroelectric Energy – Making a Water Wheel

Materials Needed:

- Wooden Skewer sticks
- Sturdy disposable plates – Size 8 ½"
- Box of 3 ounce paper cups – 100 cups
- Masking tape

Topic: Energy Efficiency and Conservation

Lesson: Energy Efficiency and Conservation

Materials Needed:

- Informational Text ([Pages 4-11 of NEED.org Saving Energy Student Guide](#))
- Efficiency vs Conservation Worksheet ([Page 18 of the NEED.org Saving Energy Student Guide](#)) –
- Highlighter



Distributed by HUB4SOLUTIONS