

Making a Waterwheel

Materials

Solid plastic or Styrofoam tube	Plastic straws	Wire coat hanger
Plastic milk container	Scissors or other cutting tool	Wire cutter
Ruler	Nails (2)	Pliers

Directions

- Cut four slices in the sides of the tube, but do not cut all the way through to the center. Each slit should run the length of the cylinder. (Figure #1)
- Cut four rectangles from your plastic milk container to make the blades of your water wheel. Each rectangle should be 1" wide and be as long as the tube. (Figure #2)
- Insert a nail in the center of each end of the cylinder, and insert a blade into each slit. (Figure #3)
- Bend the wire coat hanger as shown. (Figure #4) Put the wheel into the frame. Be sure the nails spin freely in the wire loops.
- Holding the wire frame, place the wheel beneath a stream of running water from a river, tap, or container. You have now invented your own waterwheel.

