

HYDROPOWER

Over 2,000 years ago, farmers used water wheels to grind wheat into flour. A water wheel spins as water falls onto the blades and uses the force to grind wheat into flour. Today, hydropower plants use a turbine (similar to the water wheel) and a generator turns the energy from the falling water into mechanical and then electrical energy.

You are going to make your own version of a waterwheel.

What you need:

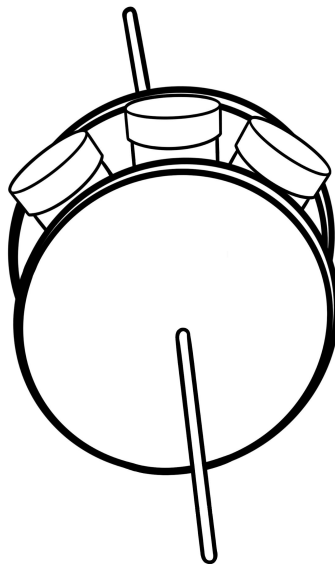
- 2 recycled plastic plates
- 6 plastic mini cups (such as applesauce cups)
- Duct tape
- Wooden stick/skewer
- Sink or water jug and basin (to pour water on waterwheel)

Step one: Poke hole in the center of two plates facing away from each other

Step two: Place skewer in the two holes connect plates

Step three: Divide plates into 6 equal sections with crayons and place applesauce containers on each line. (Use duct tape and ensure they are all facing the same way).

Step four: Pour water over the waterwheel to watch it spin!





ACTIVITY DISCUSSION QUESTIONS

What happened during the activity?

What is hydropower?

How does it work?
