

Design and Make an Electric Model

Use these easy-to-follow instructions to make your own windmill powered by an electric motor.



You will need:

- batteries in a battery holder
- two electrical wires with crocodile clips at each end
- motor
- polystyrene or plastic cup
- pencil
- sticky tack
- yoghurt pot (the bottom of it needs to be the same width as the top of the cup)
- four lollipop sticks
- sticky tape
- glue
- paint and paintbrushes

What to do:

1. Assemble the electrical circuit. Do this by attaching one wire to one side of the battery holder and one end to the motor. Then, attach the other wire to the other side of the battery holder and also to the motor.
2. Make a hole on the side of the cup towards the top. Do this by putting sticky tack inside the cup and then putting a pencil through the cup and into the sticky tack. Make sure the hole is big enough for the motor to fit through.
3. Turn the yoghurt pot upside down. Put the battery box on top of the pot and then place the cup on top of the pot. As you do this, make the motor stick out through the hole.
4. Use sticky tape to attach the lollipop sticks to the motor.
5. Use paint to decorate the windmill. Some paint doesn't stick well to plastic. If this happens, mix your paint with white glue.