

Fun experiments with magnets - these ideas are not suitable for small children and battery motor sculpture should not be left unattended because it could pose a fire risk!

**You will need:**

- neodymium magnets
- aa battery
- wire cutters
- copper wire

**Instructions:**

1. Carefully cut a length of wire (about 34cm) and bend into the shape of the drawing. Use the battery size as a template and make the bottom coils large enough to loosely circle the magnets

2. Attach 2 magnets to the - end of your battery

3. With some tricky adjustment lower your heart shape over the battery. The centre of the heart balancing on the + end of the upright battery and the coil circling the magnets (not touching the table surface) This bit can be require some patience to get the right shape. Once balanced your wire heart should spin on the battery.

(film clip MagnetMotor)

**Other ideas and tips:**

TIP: If your motor doesn't spin try flipping the magnets on the bottom of your battery

Try out different shapes of wire

