Wind vane to measure wind direction

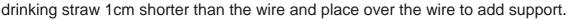**What you will need**:

Thin cardboard / card (A4 size); Pencil and markers; Scissors; Glue or sticky tape; Pen cap; Garden wire (0.5 m) / wire coat hanger; Paper plate; Drawing pins, compass

Optional: Drinking straw; Plasticine (this can be placed around base of the wire to add support)

Instructions

1 Draw an outline of an arrow on the cardboard / card (around 25cm long). Draw a picture of your choice above the centre of the arrow.

2 Cut out the arrow and shape. Draw around the shape and cut another one out.

3 Glue the 2 pieces of card together and leave a small opening in the middle.

4 Glue or tape the pen cap into the opening. Choose an area of open ground away from buildings and trees. Coil one end of the wire around a fence post leaving 10cm (100mm) of wire pointing up in a straight line. Cut the drinking straw 1cm shorter than the wire and place over the wire to add support.

5 Label the paper plate with the compass directions. Make a small hole in the middle of the paper plate with a pencil and place the plate on top of the wire.

6 Use a compass to find North and arrange the plate in the correct position. Secure the plate with drawing pins. Place the pen top and arrow on top of the wire. Which way is the wind blowing?