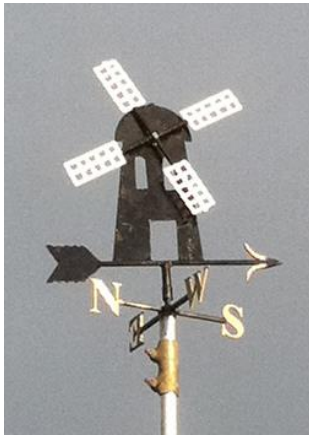
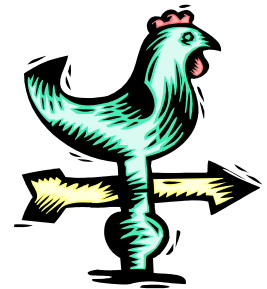


Make a Weather Vane



A weather vane or a wind vane is a tool to show wind direction. They are one of the oldest of all weather instruments, working by swinging around in the wind. They point towards the direction the wind is blowing from.

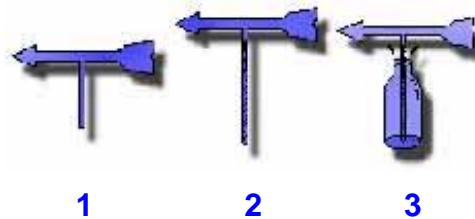
Weather vanes appeared as weathercocks on church roofs as early as the 9th Century AD.



Materials

You will need:

- paper and pencil
- scissors
- cardboard
- compass
- a plastic soft drink bottle
- a plastic drinking straw
- sand
- funnel
- a felt marker pen



Procedure

1. Using the cardboard, cut an arrow with a tab about half the length of the straw. (see image 1 above)
2. Put the tab into one end of the straw, bending the tab slightly so the arrow turns easily (image 2).
3. Put the other end of the straw in the bottle (image 3).
4. Carefully funnel sand into the bottle. Make sure you do not fill to the height of the tab
5. Set your weather vane in a high place. Make sure it does not wobble or tilt, and that it catches the slightest breeze.
6. A compass always points north. Use your compass to find north, and then mark the four sides of the bottle E, W, N, and S with a felt pen.