



# How do you measure the speed of the wind?

## You will need:

- 1 white plastic bottle
- scissors
- a pencil
- a wooden kebab skewer
- a straw
- a permanent marker pen
- sticky tape

The wind does not always blow in the same way. Knowing if it's getting stronger or lighter helps to predict the weather. Try this experiment and see if you can make a weather forecast...

**1** Cut off the top of the bottle as in the picture. Then cut out a ring from the bottom part. Cut the ring in half.



**2** Turn over one of the halves and tape it to the other. Then use sticky tape to attach the skewer down the middle.



**3** Unscrew the bottle top and make a hole in the middle of it with the pencil nib. Push the skewer through the hole. Then screw the top back on the bottle.



**4** Draw 3 lines of dots around the top part of the bottle. Follow the photo and draw one dot near the bottle top, 4 dots around the middle and 8 along the edge.



**5** Slip the skewer into the straw. There! You have just made an anemometer.

**6** Hold your anemometer by the straw but not too tightly! The skewer needs to be able to turn inside the straw when the wind pushes the plastic bottle.

## Read your anemometer

Watch the coloured dots to find out the speed of the wind. As the anemometer turns faster the dots on the same line seem to blend together.



One line means the wind is light. Two lines mean the wind speed is average. Three lines means the wind is strong!

## Make a weather forecast

When the weather changes, the speed of the wind changes too. If you observe wind speed regularly, you will be able to predict changes in the weather.

- If the wind gets stronger it usually means the weather is getting worse.
- If the wind calms down, it usually means the weather is improving.

To make better forecasts you can also check what direction the wind is blowing in.