

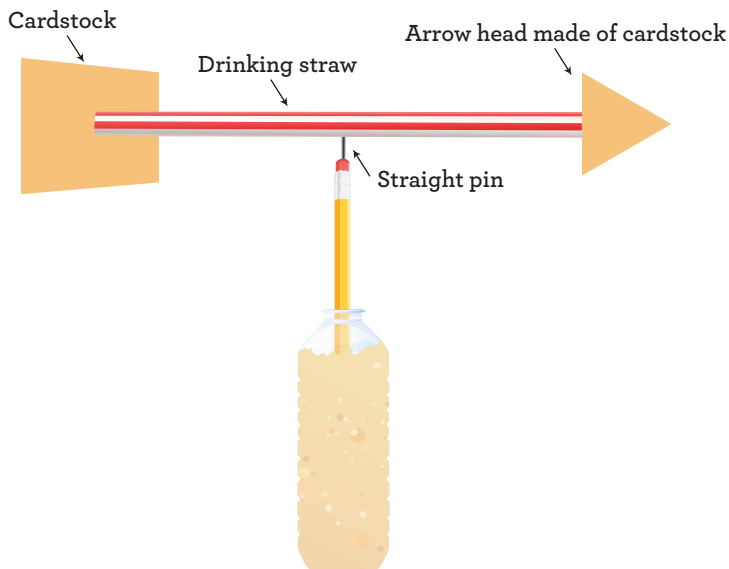
How Does the *Wind Blow?*

Making a Wind Direction Indicator

The wind vane is an instrument used to determine wind direction. Here are directions for making a wind vane.

What You Will Need

- 12 oz. water bottle
- Sand (enough to fill the water bottle)
- 1 straight pin
- Glue
- 2 straws (1 thinner so it can slide through the other)
- Scissors
- Thick cardstock (for the arrow and tail)
- Ruler



1. Get all of your supplies ready.
2. Wash the bottle and let it dry.
3. Cut 3 in. off one end of the larger straw.
4. Cut 1 in. slits parallel to each other at each end of the longer, thinner straw.
5. Make the arrow head with a 2 in. base by cutting a triangle out of a piece of thick cardstock.
6. Make the tail by cutting a 4 in. square out of the cardstock
7. Slide the long, thin straw into the shorter, wider straw, leaving room at either end for the tail and arrow.
8. Slide the arrow into the slit at one end of the longer straw and slide the tail into the slit at the opposite end.
9. Secure the arrow and tail with glue.
10. Fill the bottle with the sand for weight.
11. Push the straight pin through the exact middle of the straws. Be sure the straws spin easily on the pin.
12. Push the pencil into the sand in the bottle, with the eraser sticking up.
13. Press the straight pin into the eraser.
14. Place the wind direction indicator in an open area outside. When wind blows against it, the indicator will turn and the arrow will point in the direction from which the wind is blowing. Note which way the arrow turns at different times during the day.