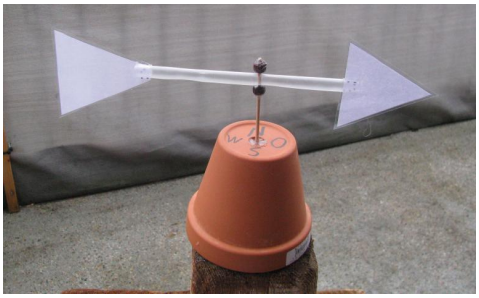
Wind vane



A wind direction sensor, called a wind vane or weather vane, is an indicating instrument for determining the wind direction. A movable measuring element aligns itself with the dynamic pressure of the wind.

Material

- 2x wooden beads
- 1x round wood (4mm), toothpick or bicycle spoke
- 1x tube
- 1x paper (100g/cm2) printed with template
- 1x ceramic flower pot (approx. top 110mm, bottom 65mm, height 100mm)
- 1x cork
- Hot glue
- Drill
- Side cutter
- Scissors or cutter
- Felt tip pen

Building instructions

In a ceramic flower pot is glued with "much" hot glue a cork. In the cork before drill or pierce a hole in the middle.

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In the hole of the cork now comes either a toothpick and on the toothpick the tube. The toothpick is of course cheap and easy to build, but not very stable.

Or the tube comes on a bicycle spoke. This is more stable but more difficult to work on, so a small side cutter from the company Knippex is best suited. This can also use children well.

Or like me with me on a 4mm round wood.

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I put the round wood all the way through the tube and then secured it with 2 wooden beads. This is ideal, because the tube is not blown away even in strong winds, it moves more easily and the tube

can not be "worn through". Of course this is more effort. Below you can also see that I have the round wood and the cork additionally glued with some hot glue in the flower pot.

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Next, print out the template and transfer it to 100 grams of paper. Those who want to build the wind vane weatherproof laminate the paper and cut it out. If you don't need to, transfer the template to clay paper. Some clear varnish on the clay paper can be a good compromise. Then cut the tube with a cutter 20mm on both sides and put the paper in the slots and fix it with all-purpose glue, superglue or hot glue.

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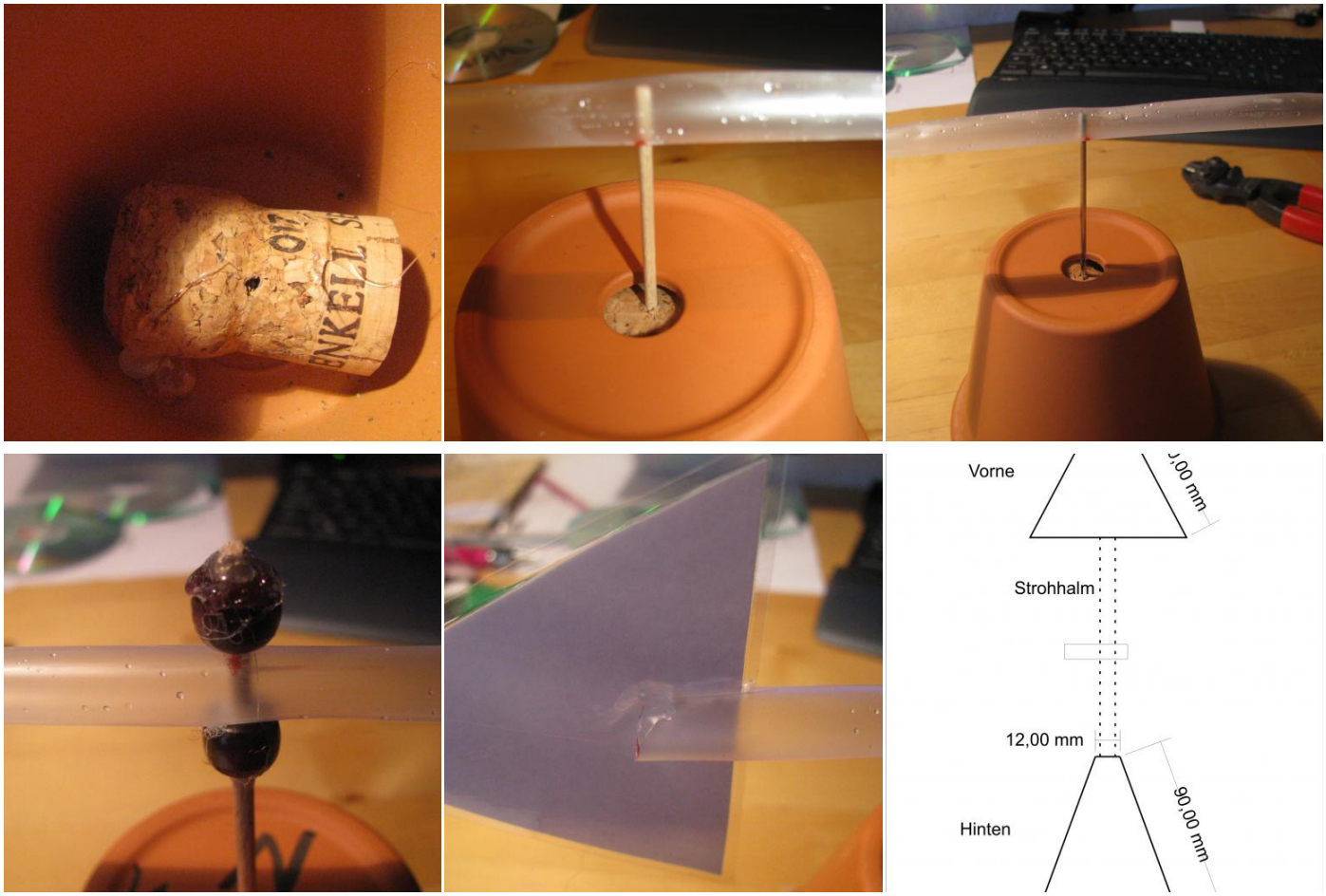
To good letze still write on the flower pot north, south, west and easter, align with a compass our anemometer and he can already show the wind direction.

Images



Template

template_wind_direction_01

Source

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