

# Make a wind sock and weather vane!



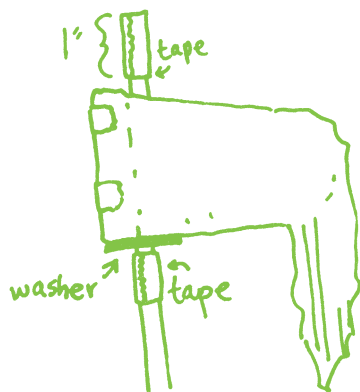
Poke a hole through a styrofoam cup just below the rim (a sharp pencil works great).

Stretch the wide end over the cup and tape it to the rim. (Use scissors to snip the sock where the pencil holes in the cup are.)



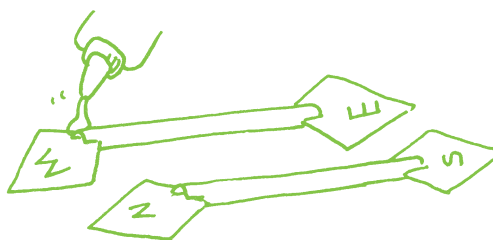
Cut off the toe of a sock or knee-high hose.

Get a wooden dowel ( $\frac{3}{16}$ " is a good size) and make sure it is at least 3 feet tall. Push a thumb tack through the top of the dowel. Twist it before removing it (you'll need the hole later).



Slip the wind sock onto the dowel through the holes in the cup. Leave at least one inch at the top and put some tape around that so the sock won't slide off. Slide a  $\frac{1}{4}$ " washer up the pole to just below the sock and then tape underneath that so the sock won't slip down.

Get 2 straws and cut a small ( $\frac{1}{4}$ " ) slit in each end. Use 4 small squares of construction paper to mark the points of the compass. Insert them into the straws, glue to secure them, and let them dry.



Pierce the middle of each straw with a thumb tack, then dab on a little glue before you secure the whole vane to the dowel. (Remember that hole you made in the beginning? Line everything up so it goes back in there). Make sure the straws cross exactly perpendicular. Let all of the glue dry.

Now you're ready to set it up! Using a compass to find North, position the N of your weather vane to point in that direction. Gently push it into the ground. Then the wind sock should turn with the breeze until it faces into the wind. Your vane will show which direction the wind is coming from. Record your observations.

