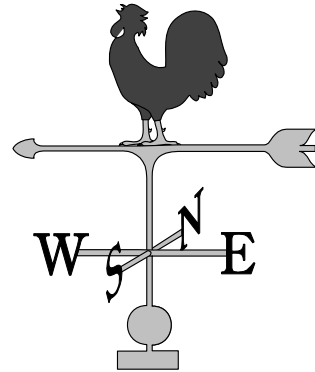


Make A Wind Vane

Materials

- A sturdy plate
- A small amount of modeling clay
- A new pencil, unsharpened
- A drinking straw
- A straight pin
- An index card
- 2 paperclips
- Tape



Procedure

1. Make the index card into the two ends of an arrow by cutting out a triangle from one side, going from the two side corners in to the vertical center of the card.
2. Roll the clay into a ball about an inch across and squish it onto the center of the plate. Put the lead end of the new pencil into the clay, standing it upright.
3. Attach the straw to the pencil by driving the pin through the horizontal center of the straw and into the pencil eraser.
4. Slip the paperclips onto one end of the now-horizontal straw, and tape the triangle portion of the index card to this end of the straw, making an arrowhead.
5. Tape the other part of the index card to the other end of the straw with the "tail" pointing outward. Do not put paperclips on this end.
6. Take your wind vane outside and face north. Use a compass if necessary. Let the wind blow the arrow in the direction it is going.

Try to picture where the wind is coming from (the direction opposite of which direction it is blowing). What states are there? Is the wind probably going to be warmer or cooler coming from this direction? Observe if the wind always blows in the same direction or if it changes often. Are directional changes accompanied by gusts of wind?

