

Activity 6 – How to Make an Anemometer

Materials Needed:

- five 3 oz. plastic cups
- two plastic soda straws
- one pencil (with unused eraser)
- single-hole paper punch
- scissors
- tape
- one push-pin
- permanent magic marker

Step 1

Take four of the plastic cups and punch one hole in each, about $\frac{1}{2}$ inch (1.5 cm) below the rim.

Step 2

Take the fifth cup and punch two holes in it, directly opposite from each other, about $\frac{1}{2}$ inch (1.5 cm) below the rim. Now punch two more holes in the cup, each $\frac{1}{4}$ inch (1 cm) below the rim that are equally-spaced between the first two holes.

Step 3

Using the push-pin and the scissors, make a hole in the centre of the bottom of the cup with four holes in it. The hole should be large enough that the pencil can fit easily through it.

Step 4

Slide one of the straws through the hole in one of the cups that has only one hole in it. Bend the end of the straw that is inside the cup about $\frac{1}{2}$ inches (1.5 cm) and tape it to the inside of the cup.

Step 5

Place the other end of the straw through two of the holes in the fifth cup and then through the hole in one of the other cups. Tape the end of the straw to the inside of the cup as you did earlier, making sure that the openings of the two cups face opposite directions.

