# Weather Station Garden Craft

## Weather Vane

To measure wind direction.

**You will need:**

drinking straw

scissors

card

large coffee cup with lid

pencil with a rubber on top

drawing pin

sticky tape

small pebbles

compass (optional)

**Instructions:**

1. To make the arrow at the top of the weather vane, cut off the bendy section of the straw. Cut a slit in each end of the remaining length of straw.
2. Cut a square and a triangle out of the card. Make sure the triangle is smaller than the square.
3. Stick the square and triangle into the slits on the straw to make an arrow.
4. For the base of the weather vane, fill the cup with pebbles. Use sticky tape to secure the lid not the cup and turn the cup upside-down.
5. Stick the pencil through the base of the cup.
6. Stick the drawing pin into the middle of the straw and then into the rubber on top of the pencil.
7. Place the weather vane in the garden. You may like to use a compass to mark north, south, east and west onto the base of the cup.



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# Rain Gauge

To measure the amount of rainfall.

**You will need:**

2-litre plastic drinks bottle

sticky tape

scissors

marker pen

ruler cut out

laminator (optional)

**Instructions:**

1. Cut the top quarter of the plastic bottle off.
2. Turn the top upside-down, like a funnel, and place it back inside the empty bottle.
3. Tape the top and the main part of the bottle together.
4. Either use the ruler and a marker pen to mark out the scale on the side of the bottle or laminate the ruler and attach it to the side of the bottle.
5. Leave the rain gauge outside, away from buildings and trees. You may need to dig a hole to bury the rain gauge a little to make it more stable and less likely to blow over.
6. Wait for some rain!

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# Anemometer

To measure wind speed.

**You will need:**

drinking straw

firm cardboard

4 small plastic cups

marker pen

pencil with a rubber on top

paperclip

sticky tape

scissors

strong glue

**Instructions:**

1. To make the top of the anemometer, cut two rectangles out of the cardboard, both 3cm x 15cm in size.
2. Place the cardboard rectangles in a cross shape and add a dot of glue to secure the cross shape.
3. Use the marker pen to colour a pattern or design onto **one** of the cups.
4. Next, attach the cups to the cardboard. All the cups need to face the same direction. Use strong glue to attach a cup to each end of the cardboard cross.
5. Once the glue has dried, turn it over so the cups are on the underside of the cross.
6. Ask an adult to do this bit! Unfold the paperclip and press the wire through the cardboard and then into the rubber at the tip of a pencil.
7. Position the anemometer in the wind and count how many times it spins round in a minute. The cup with the design on will be easier to see, so count by spotting this cup.



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