



The rain gauge



* Difficulty

Easy



* Age of students

6 to 12 years old



* Length

1 month

Goals

- Integrate the concept of the circular economy
- Discover the differences in climate and aridity around the world
- Practice a manual activity

Supplies needed

- 1 plastic bottle
- 1 pair of scissors
- some paper clip
- an adhesive tape
- a permanent marker
- a few small stones

Description

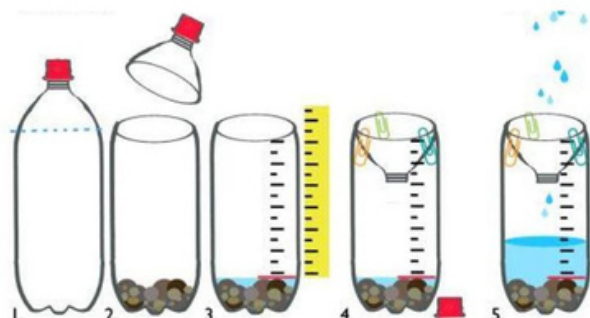
Why not make a rain meter, so you can share the results with your friends in other countries!

A rain gauge is a meteorological instrument used to measure the amount of precipitation (especially rain) that has fallen in a given period of time in a given place.

To make your own rain gauge, start by cutting a bottle in half. Be careful, you have to cut it about $\frac{2}{3}$ from the bottom. This way, you end up with the neck of the bottle forming a kind of small funnel and a kind of large glass.

In the second part, place some small stones at the bottom. This will prevent your rain meter from blowing away in windy conditions!

Often the bottles are a bit rounded or narrower at the bottom. So you put water in until you reach the widest part of the bottle.



Tape a strip of electrical tape along the length of your bottle. It should be perpendicular to the base of your bottle. This will be used to trace your gauge. If you don't have one, draw your gauge on the bottle!

The gauge will start at the water level, where the bottle is widest. **Use a ruler to mark every centimetre from the water.** You can also mark every half centimetre to be even more precise.

Finally, **place the part with the neck like a funnel** on the other part of your bottle. You should be able to wedge them together without having to glue them. If that doesn't work, you can use paper clips to hold it together!



Then **share your report every first Monday of the month** via the United Schools platform!

Need some Help ?

