

Produce It. Protect It.



# Rain Gauges on Farms



## Traditional Rain Gauge



Used by farmers to measure the amount of rainfall. Farmers check their rain gauge at the same time each day and record the amount of rain that has fallen. This helps them make informed decisions about when to plant and harvest crops.

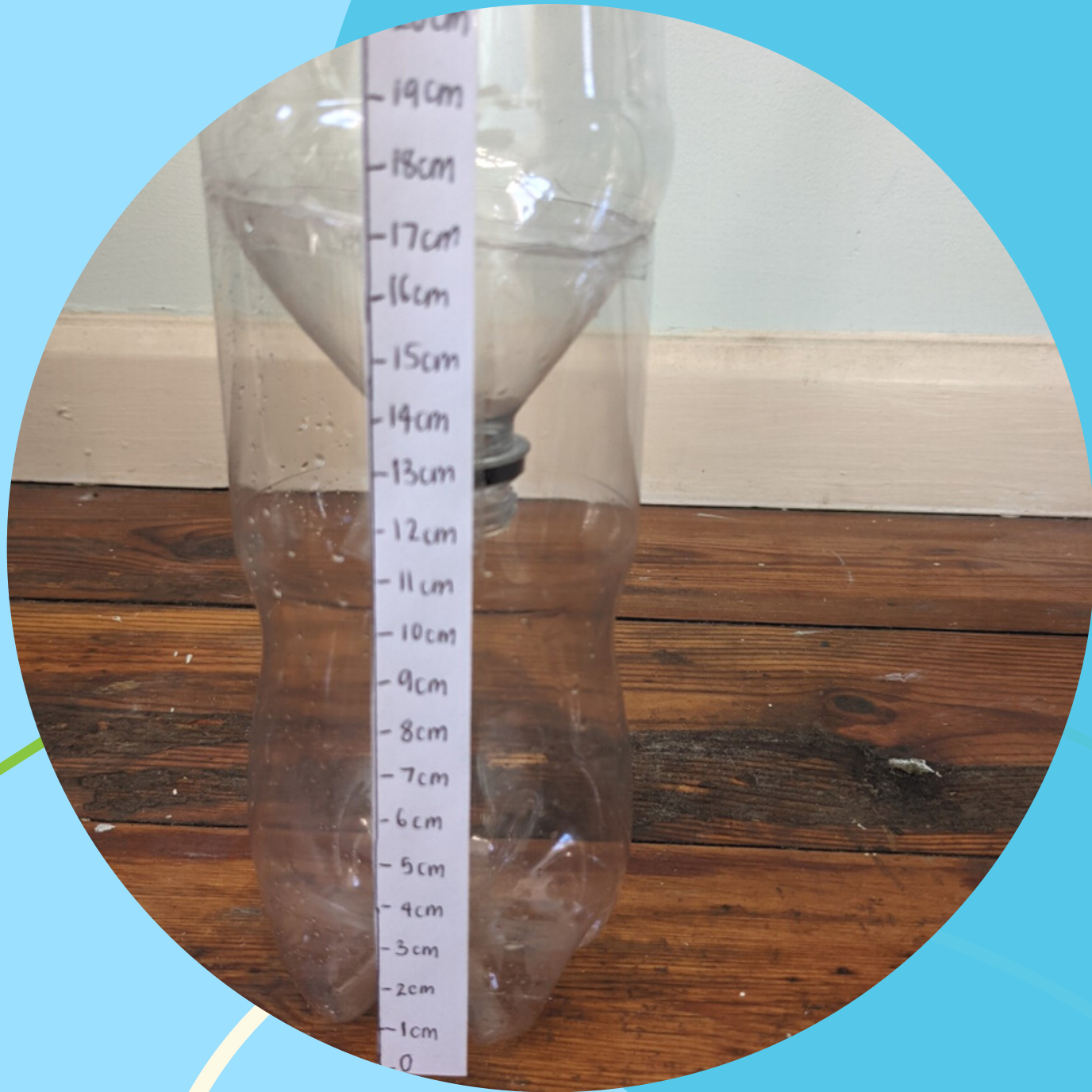
## Automatic Rain Gauge



Used by farmers to monitor the weather. Automatic rain gauges have special sensors that can measure the moisture in the air along with rainfall. They have Bluetooth connectivity that sends all of this data to farmer's phones or computers to help them make informed decisions about planting and harvesting.

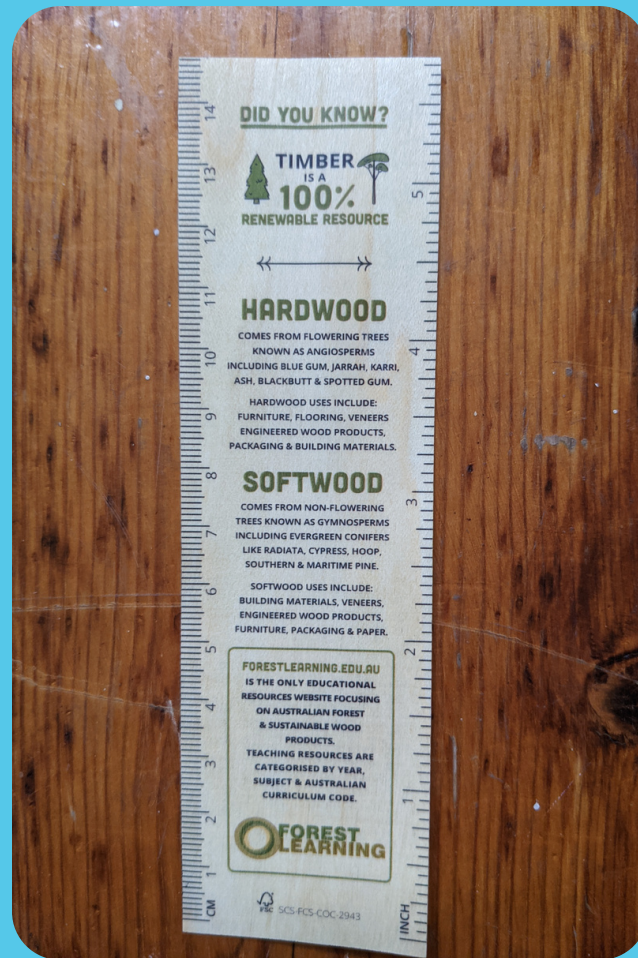
Produce It. Protect It.

# Make your own Rain Gauge



# Materials:

- Plastic bottle
  - Scissors
  - Sticky tape
  - A ForestLearning ruler
- OR
- 30 cm ruler
  - A sheet of paper
  - A marker



\*Contact the Victorian Education Officers to receive a free class set of Forest Learning rulers for your rain gauges.

**Step One:**  
Cut off the top of the  
plastic bottle,  
about 10cm below the lid.



## Step Two:

Turn the top part of the bottle upside-down, and place it inside the bottom section of the bottle. Use sticky tape to hold it securely in place.

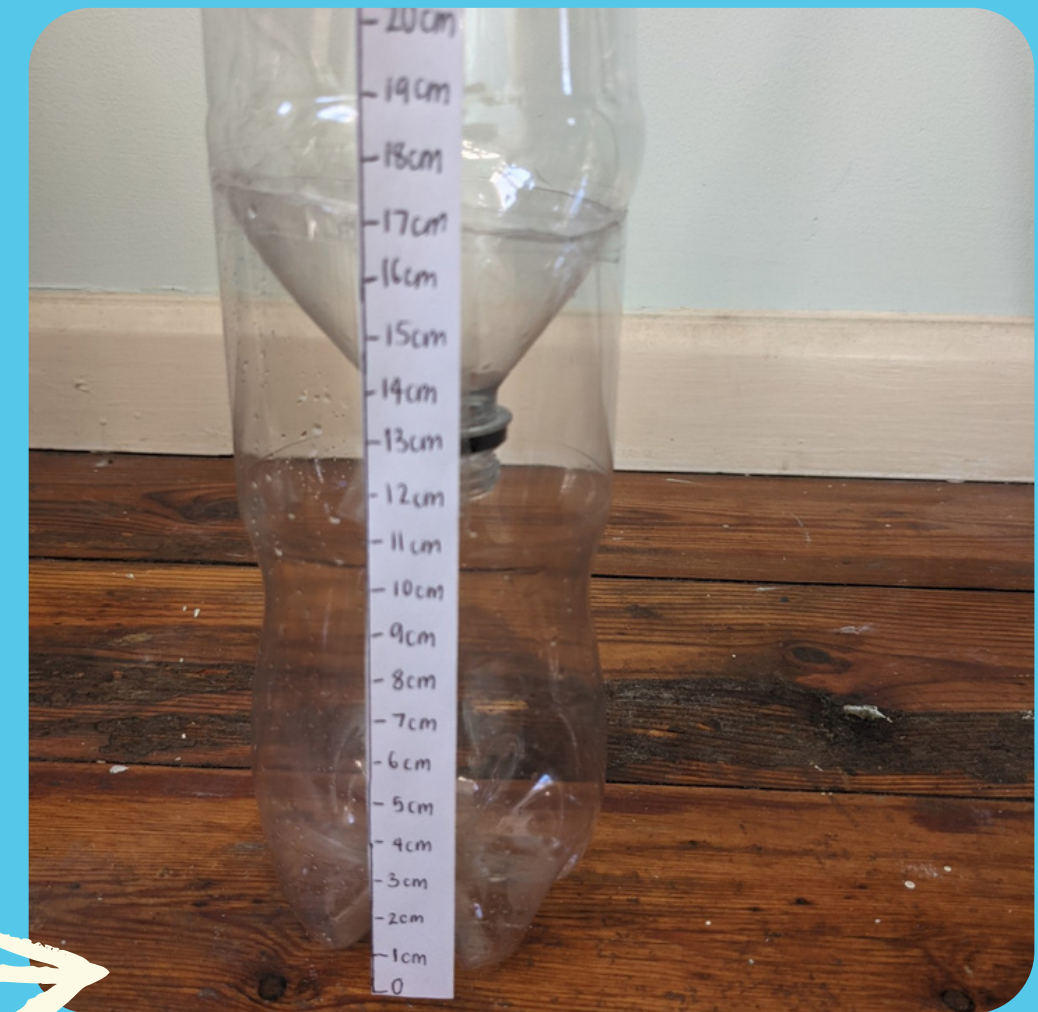


# Step Three:

Use sticky tape to stick your ruler against the side of your bottle (on the outside), ensuring the bottom of the ruler is in line with the bottom of the bottle.



Note: If you do not have a ForestLearning ruler, use a 30cm ruler to rule a line on paper and mark from 1-20 centimetres. Cut out the paper and stick it to the side of your bottle instead.



**Step Four:**  
Find an unsheltered  
location outside to  
place your rain gauge.





# Step Five:

Check your rain gauge each day at the same time, and record the amount of rainfall measured in a table.

Amount of rainfall (mm)

Date					
Rainfall (mm)					