

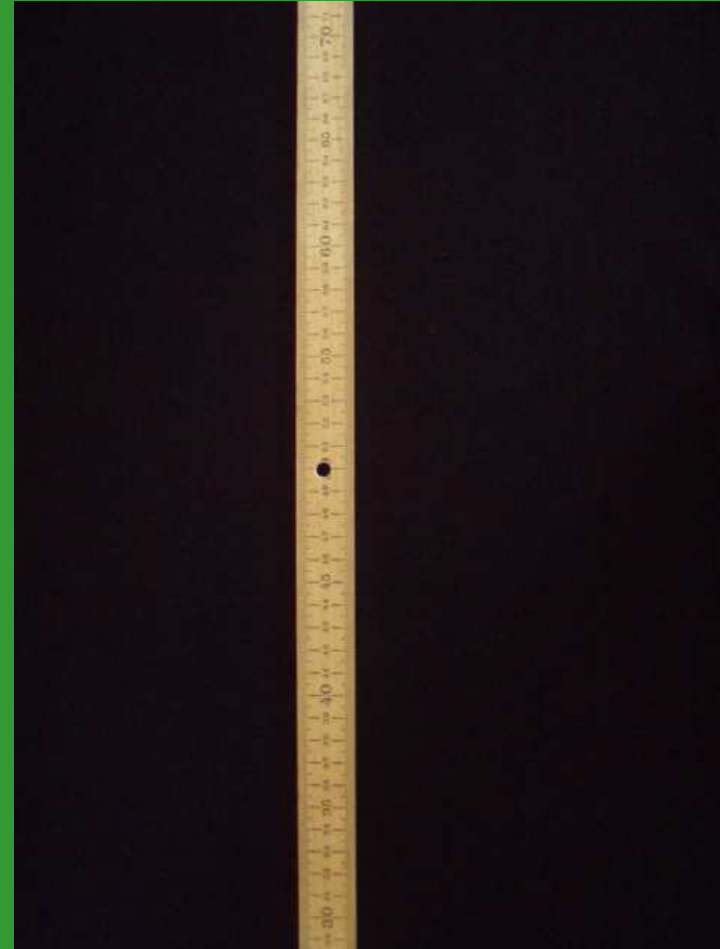
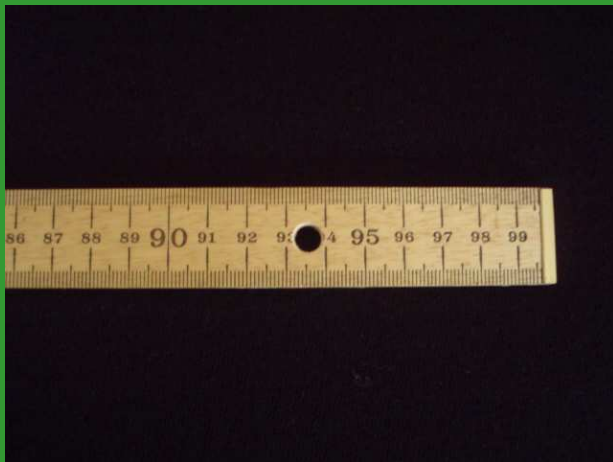
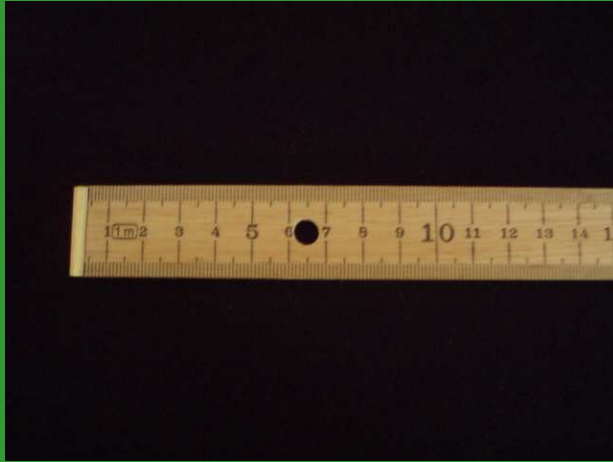
Air pressure

Amparo Sánchez del Casal

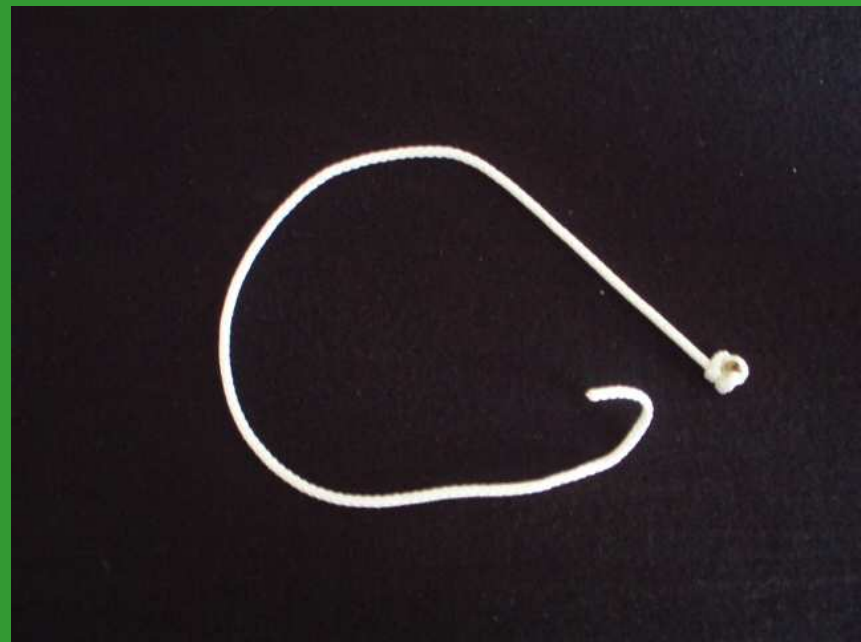
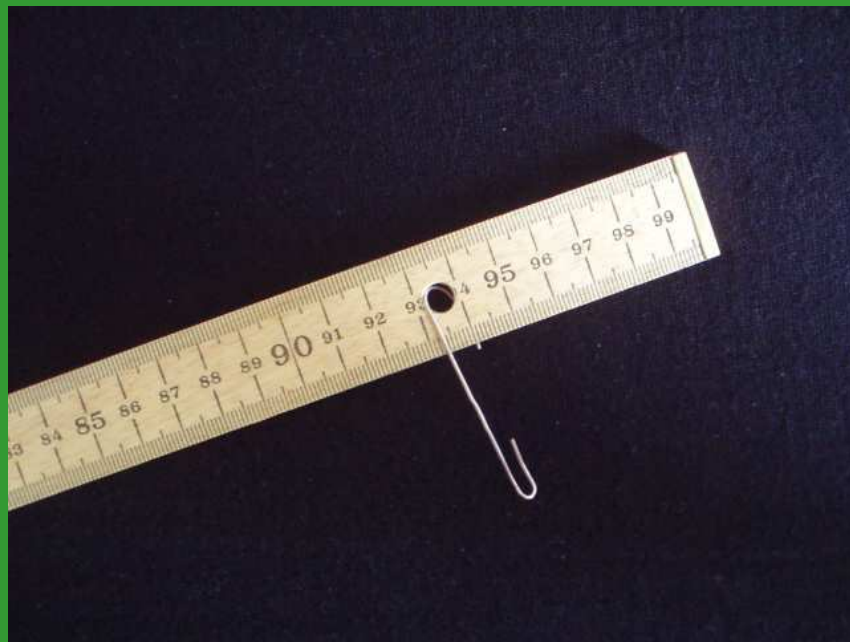
CEIP Dolors Almeda

(Cornellà de Ll.)

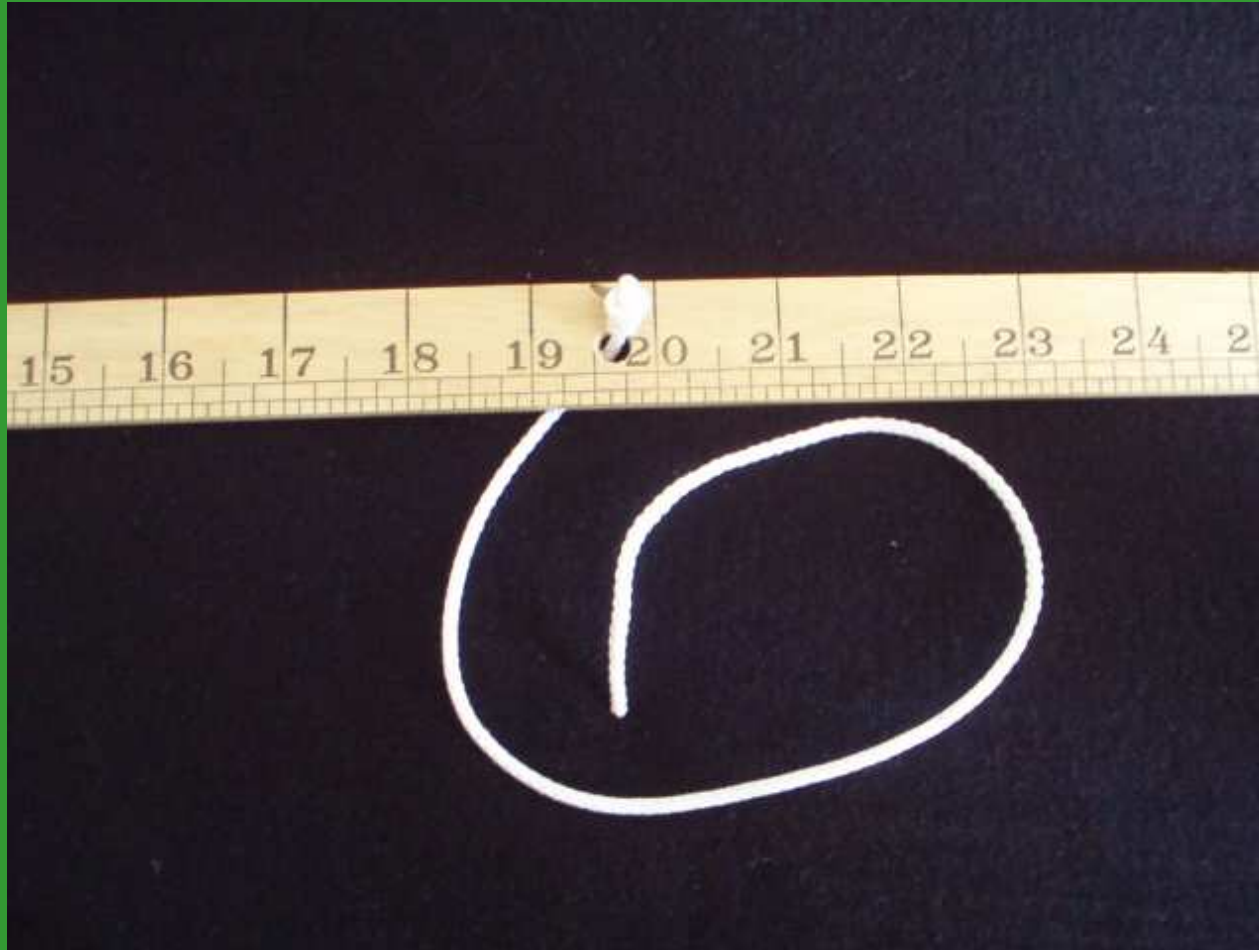
Drill holes from each end of a metre stick and in its exact centre.



Put one bent paper clip in each hole to hang two pieces of cord.



Place a cord or wire through the centre hole.



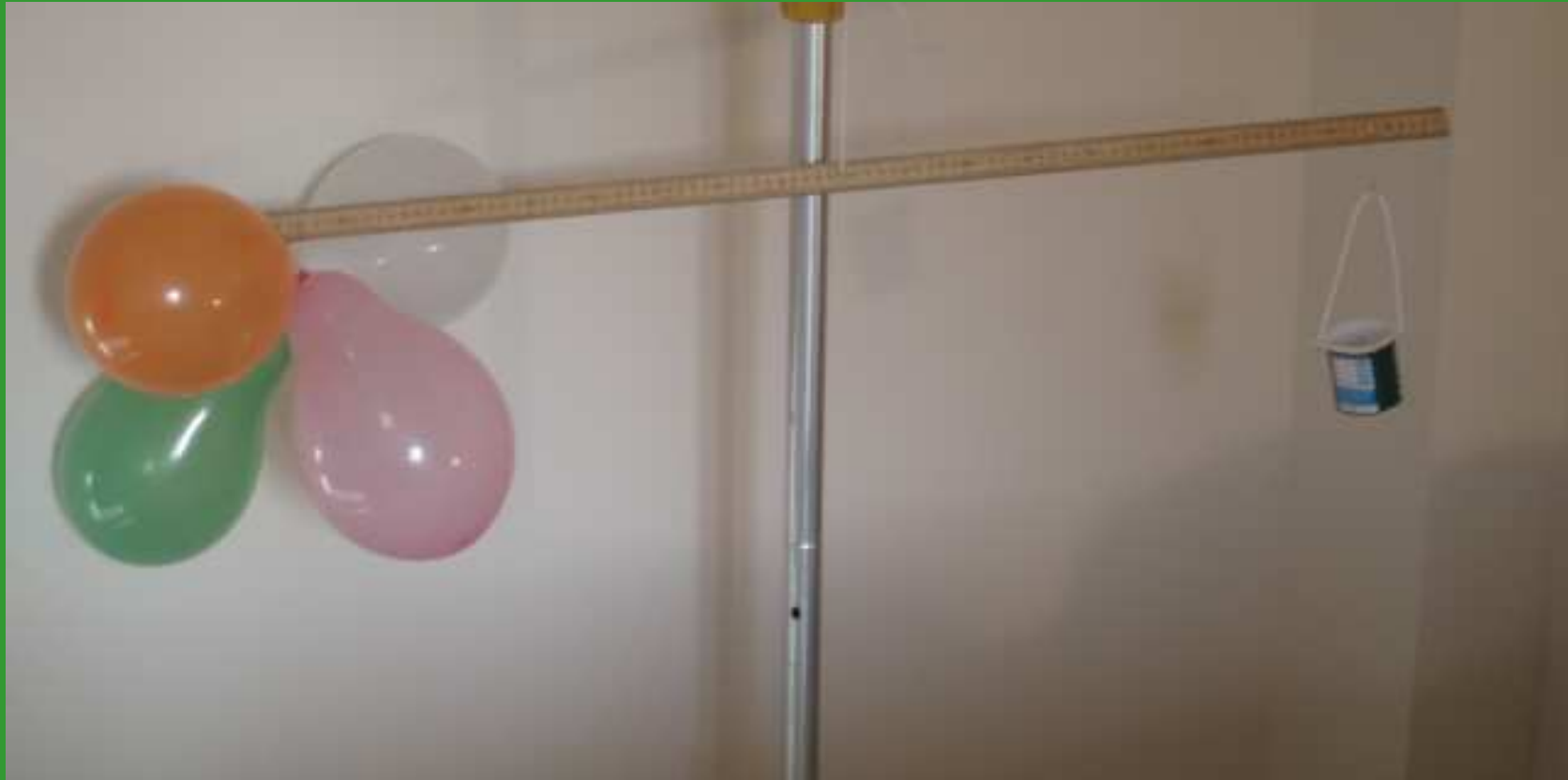
Suspend the stick from
a chair back or a peg.



Experiment 1



Suspend a pot and some balloons.



Then, let the air out of the balloons

WHAT HAPPENS?



The pot goes down.



Why?

Because air has weight.



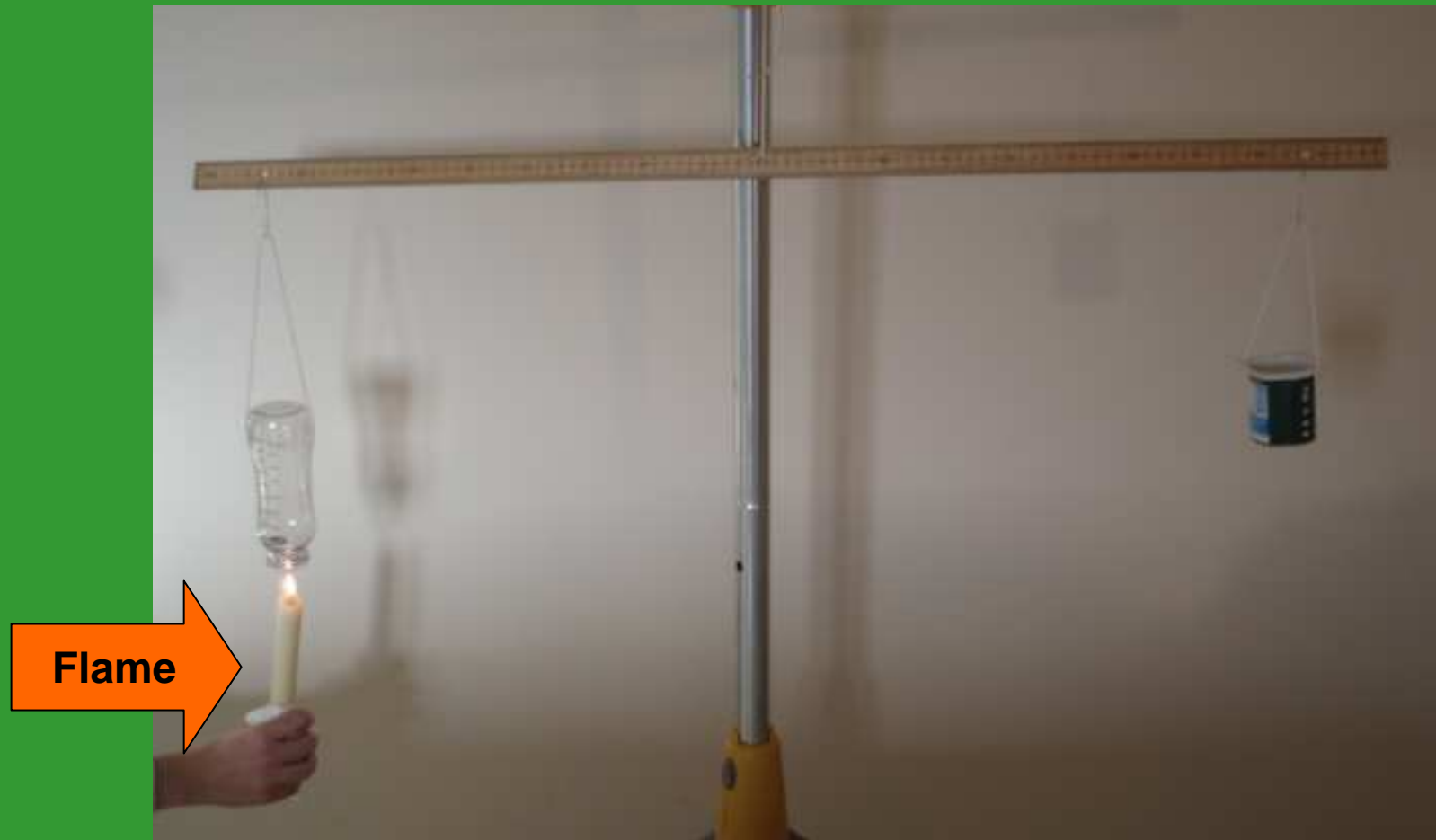
Experiment 2



Suspend a pot and a baby's bottle.



Hold a candle flame for one minute near the mouth of the bottle.



Remove the flame and balance the scale again.

WHAT HAPPENS?



The bottle goes up.



Why?

Because warm air weighs less than cold air occupying the same place.

