



## Sunlight and Shade - Teacher's Notes

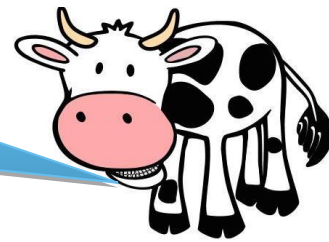
### Sunlight and Shade

We shall be drying wet paper towel in sunlight and out of sunlight to see whether sunlight or shade provides the most heat.

Students are asked to plan how to make this activity a "FAIR TEST".

Change one thing  
Measure one thing  
Everything stays the same

MOO!  
(softly)



To make this experiment a fair test what will we have to keep the same? Same paper, same size, same time, same conditions, same amount of water. What will we be changing? We will change one thing, whether the paper is left to dry in the sunshine or in the shade. We will be changing heat from the Sun.

What will we be measuring? How long each piece of paper takes to dry. I'd recommend that you use 1 teaspoon of water (5mL) on each sheet of paper towel. Materials required could be paper towel, water, teaspoons and something to tell the time e.g. clock, watch or mobile phone.

Share your answers with two other groups.

#### Observations

Group	Time to dry in sunshine (minutes)	Time to dry in shade (Minutes)

Ask the students why we used other groups' answers. To make sure one answer wasn't a fluke/atypical/due to something else or an atypical result.

Does sunshine include heat? Yes.





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Why would people prefer to dry clothes in the shade? To avoid bleaching them.



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