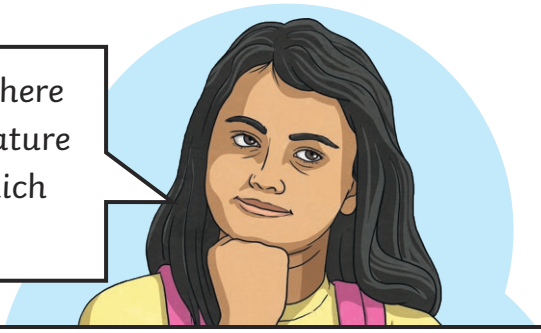
Investigation Plan

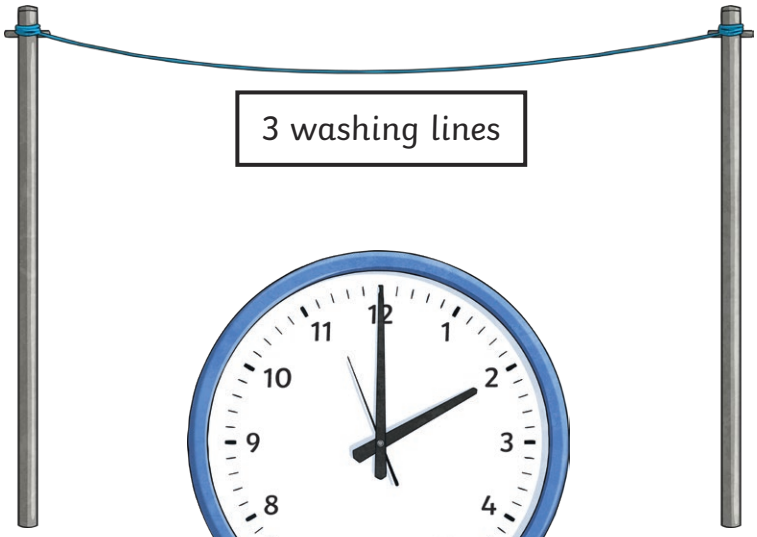
To identify the relationship between temperature and evaporation rate.

What patterns are there between the temperature and the rate at which towels dry?

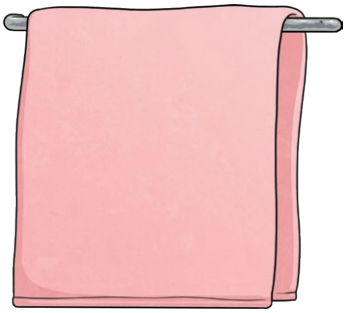


Equipment

Below are examples of equipment that you will use in your investigation.



3 washing lines

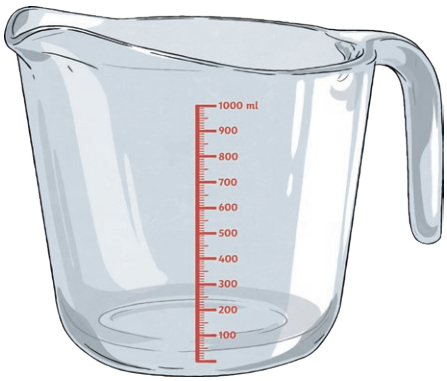


3 tea towels

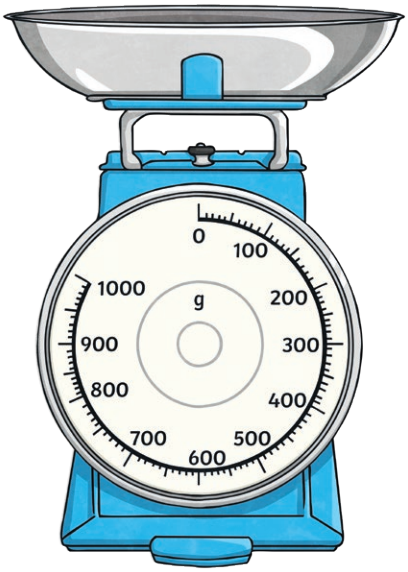
clock



thermometer



measuring jug



weighing scales



water

Plan

Use the questions below to plan your investigation:

1. How will you get the tea towels wet? *How will you make sure that it is the same for each towel?*

_____

2. Where will you hang the towels? *Think about the temperature in your locations.*

- _____
- _____
- _____

3. When will you check the towels?

_____

4. How will you measure how much the towels have dried? *What item will you use from the equipment list?*

_____

_____

Results

	Temperature of the Location (°C)	Mass at the Start (g)	Mass at the End (g)
towel 1			
towel 2			
towel 3			

Investigation Plan **Answers**

Pupils' answers may vary.

Use the questions below to plan your investigation:

1. How will you get the towels wet? *How will you make sure that it is the same for each towel?*

   Pupils may suggest measuring out water into a measuring jug or beaker, ensuring that it is the same amount for each towel.

2. Where will you hang the towels? *Think about the temperature in your locations.*

   Pupils should suggest three different locations with different temperatures – somewhere cool, somewhere at room temperature and somewhere warm (possibly in direct sunlight or near a radiator).

3. When will you check the towels?

   Pupils should suggest that the three towels are checked at the same time.

4. How will you measure how much the towels have dried? *What item will you use from the equipment list?*

   Pupils may suggest measuring the mass of the towels before hanging them up and then after the allocated time.