

# Science

## Everyday Materials

# Ted's Emergency

A Task Setting Powerpoint for Thinking Scientifically and Carrying out an Investigation.



# LO:

To learn which is the best material for a special task.

## Success Criteria

- I will know about properties of different materials.
- I will be able to carry out a fair test.
- I will draw a sensible conclusion from the test.

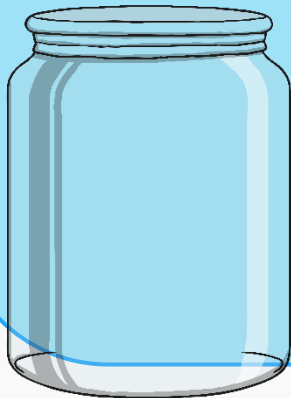
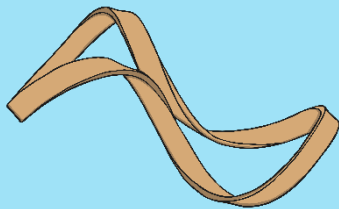
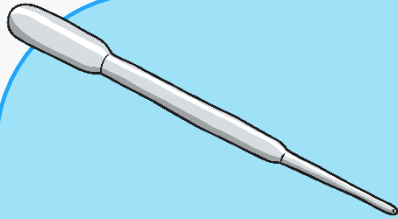
# Ted's Problem

Poor Ted, can you help him?  
He has gotten wet while out  
playing in the garden. What  
could he do to stop that  
from happening again?

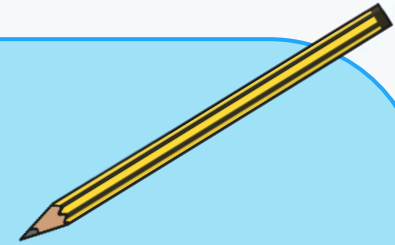


We are going to make  
him an umbrella.

You will now need to collect the equipment for your test:



- A small bear
- A plastic pot
- An elastic band
- A pipette
- A pot with water in
- Different materials to test
- A clipboard
- A worksheet
- A pencil

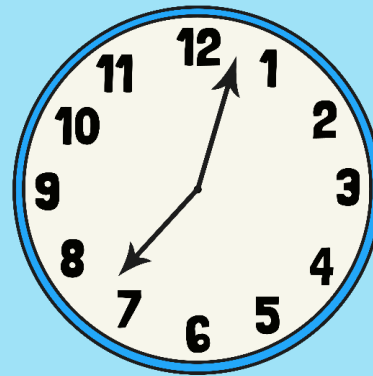
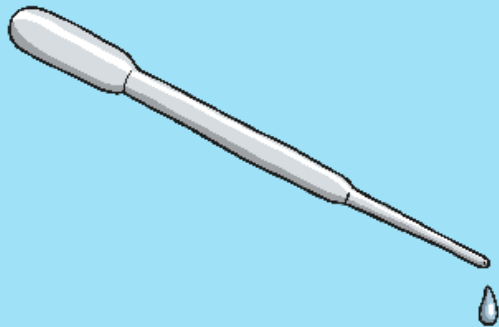


# Fair Test

How are you going to make this test fair?

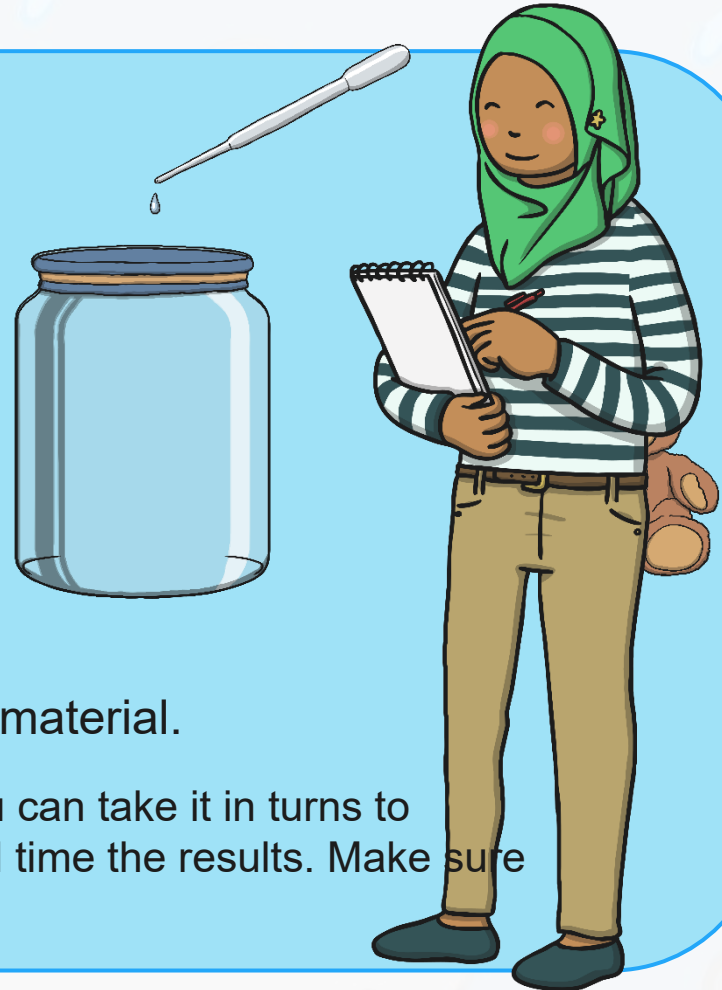
You need to do exactly the same thing every time you do the test.

You will need to think about how much water you use each time, how far away from the material you drop the water and how long the water touches the material before you observe the result.



# Your Experiment

- Put your bear in a plastic pot.
- Choose a material to test. Place it on top of the pot and secure it with an elastic band
- Drop water onto the material using the pipette.
- Watch closely.
- Write down the results of the test.
- Do the test again using a different material.



When you are working in your groups you can take it in turns to choose the material, put on the water and time the results. Make sure everyone takes part.

# Plenary

What happened during your test?

Did you correctly guess what would happen?

What have you found out from doing the experiment?

If you were going to do the experiment again what would you do differently?

Did you keep the test fair?

What can we do to help Ted?





