

Summer 2 Lesson 6

LO: To work scientifically – To draw conclusions and make predictions based on them

This picture below shows some of the important things we need to do to be a scientist. This half term we are going to practise **working scientifically**. How many of these skills do you already use?



Drawing conclusions involves **looking at results** from investigations and our careful observations, and **describing what they tell us**. For example, a plant with no water did not grow, but a plant with water did grow – the conclusion we can draw is that plants need water to grow!

We can **base new predictions on our conclusions**. For example, because I now know plants need water to survive, **I predict that all living things need water to survive**.

Task:

Make different shapes from plasticine to see which shape travels best through water.



What **conclusions can you draw** from your investigation?

You can explain your conclusion in writing, pictures with captions, or speak it aloud to an adult and video yourself to post on Class Dojo!

Have fun! We look forward to seeing how you get on!

You will need:

Two tall transparent containers

Plasticine

Water



1. Make two different shapes from plasticine.
2. Drop them at the same time into the water-filled containers
3. Keep the shape that hits the bottom first and make a new one from the other piece of plasticine. Can you make it even faster? Continue until you think you have found the fastest shape.
4. Now draw your conclusion: **Which shapes are best at travelling through water?**

After your investigation you might like to watch these videos:



<https://www.bbc.co.uk>



<https://www.bbc.co.uk>

Then, using your conclusion, **predict** which of these objects would travel the fastest through water:

