

# Year 3 Homework

08.12.23



## Reading

Drop it for 10! Try and read for 10 minutes with an adult at home on at least 3 occasions this week. Record your reading on Boom Reader so your teacher can reward your efforts.



## Science

What an amazing Science day we have had today! To continue the fun, we would like to challenge you to make your own lava lamp at home.

Follow the Youtube video instructions using the link or QR code below or follow the instructions on the back of this sheet.

Have fun scientists!

<https://www.youtube.com/watch?v=qCuFjXGSVB4>



Have a lovely weekend!



# Homemade Lava Lamp



**Lava Lamp**  
Science Experiment

## You will need:

- Baking soda
- Vegetable oil
- Food colouring
- Vinegar
- Clear container

## Method:

- Put 2 table spoons of baking soda into the bottom of your container.
- Fill 2/3 of the container with vegetable oil (Notice how they stay separate).
- Mix a small amount of vinegar with a few drops of food colouring in a separate container.
- Pour the vinegar and food colouring mixture into the container with oil and baking soda.
- Wait and observe what happens!

## What's Happening:

The oil floats on top of the water because it is less dense (lighter) than water. The food colouring has the same density as the water so it sinks through the oil and mixes with the water. As the baking soda dissolves in the vinegar it creates a gas called carbon dioxide.

Gas is lighter than water so it floats to the top, bringing some colour with it from the food colouring. When the air releases from the coloured water blob, the water gets heavy again and sinks.