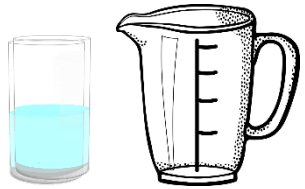
Making potions in the kitchen - Understanding of the World

We are learning to know about similarities and differences in relation to materials. We can make observations and explain why some things occur and talk about changes.

What you need – plastic cup , spoon, water, measuring jug, sugar, coffee, tea, hot chocolate powder, baking powder, lemon juice, vinegar, food colourings etc



Instructions

1. **Fill a plastic cup with water to half full using a measuring jug.**

2. Take a teaspoon of sugar and mix into the water. Give it a stir and describe what happens.

3. Repeat and try with different things that you can find in your kitchen e.g. coffee, flour, hot chocolate, food colouring.

4. Talk about how the water changes and explain what happens when you mi

You could draw a picture and label the different potions you have made and write a sentence to describe them.

Some questions to ask:

What can you see at the beginning and how does it look at the end? What changes have happened? Why does it look different? Does it dissolve?

Milk Experiment

We are learning to know about similarities and differences in relation to materials. We can make observations and explain why some things occur and talk about changes.

What you need – A foil tray or shallow dish, milk, washing up liquid, food colouring, cotton buds.

Instructions

1. Cover the bottom of the dish with room temperature milk.

2. Put 1 drop of each food colouring in the middle of the milk.

3. Cover the end of the cotton bud in washing up liquid.

4. Hold the cotton bud in the middle of the food colouring.

5. Talk about what happens.

6. Try spinning the cotton bud in a spiral. What happens?

7. You could repeat this experiment and investigate what different patterns and colours you can make. What do you think is happening? Can you talk about the changes.

This experiment shows how different things react together.

Have fun.

Challenge - Dancing Raisin Experiment

We are learning to know about similarities and differences in relation to materials. We can make observations and explain why some things occur and talk about changes.

Questions

What is happening to the raisins?
What is the same/different about the raisins in the water and fizzy water?
What do you think is making them move?

You could:

Write a sentence to describe what happened in the experiment.

Dancing Raisins

Materials

Raisins | Still water | Fizzy Water | Two clear, plastic cups

Instructions

1. First, carefully pour some still water into a clear, plastic cup.
2. Gently, drop a raisin into the water. Did it float or sink?
3. Next, pour some fizzy water into a different clear, plastic cup.
4. Gently drop a raisin into the water. Did it float or sink?
5. What was the difference between the two reactions. Why do you think this was?

The Science Bit

In the still water cup, the raisin sinks because the raisin is denser than the water.

In the fizzy water cup, the raisin is again denser than the water. However, the bubbles get trapped in the grooves of the raisin, helping it to float back to the surface. When the bubbles pop, the raisin sinks back down.