

## Nursery week 1 Understanding the World

### 1. Experiments

What happens when you mix ingredients together?

What can you see?

Can you describe what you observe?

#### Bubbling Magic Potions

What you need: Bicarbonate of soda

Distilled white or malt vinegar

Washing up liquid

Food colouring

A bowl or cauldron

Magic wand or spoon

First add the vinegar to the bowl. Next stir in some food colouring and add a squeeze of washing up liquid. Then add some bicarbonate of soda and stir the potion.

Watch as the potion fizzes and bubbles!

Continue to add more vinegar, different colours and bicarbonate of soda to continue the reaction.

Take photos of your experiment.

## Floating and Sinking

Fill a bowl or the sink with water.

Select a variety of household objects, made from different materials, in different sizes and different weights.

Talk about the objects - introduce key words: heavy, light, sink, float.

Explain how heavy objects will sink to the bottom and the lighter objects will float to the top.

Encourage the children to describe the objects, comparing weight (heaviest/lightest) and then predict what might happen to the object - float or sink? 'I wonder what will happen to ...'

Write down each object in the predictions table. Write the numeral at the bottom of each column.

Ask for reasons for their predictions.

Put each object into the water.

Ask the children to explain what had happened - encourage them to use the words float or sink

Write each object in results sheet. Write the numeral at the bottom of each column.

How many objects floated/sunk?

Did the results match the predications?

Did more objects float or sink?

Prediction Table

<u>Float</u>	<u>Sink</u>

Results Table

<u>Float</u>	<u>Sink</u>

