

# Individual Activity Lesson Plan

**Date:** Friday 29<sup>th</sup> May 2020

**Activity Title:** Sinking and Floating Experiment

**Learning Intention:**

- Learn about sinking and floating objects.

**Links to EYFS: Understanding the World**

- Comments and asks questions about aspects of their familiar world such as the place where they live or the natural world.

**Resources:**

- Large container filled with water
- Objects collected from around the house that can get wet (e.g. Lego block, coin, key, paper clip, leaf, plastic toy, spoon, crayon, shell, rock, ball, apple, etc.)

**Activity Overview:**

Test a variety of objects to find out whether they sink or float.

**Key vocabulary:**

Float, sink, on, under, water, heavy, light.

## ACTIVITY IMPLEMENTATION (including key questions)

**Introduction:**

- Remind your child of the book of the day - *The Crocodile Who Didn't Like Water* and how the little crocodile/dragon could not swim so he decided to buy a rubber ring to keep him from sinking.
- \*Do you remember how the dragon put the rubber ring on so he could float on the water and not sink?
- \*When you swim you also wear arm bands, right? / Before you learnt how to swim, you used to wear arm bands as well. They helped you to stay above the water.
- Ensure that your child understand the words sink and float. Look at the picture at the end of the lesson plan and discuss what you can see.
- \*We say that something floats if it stays on top of the water. Can you see anything in the picture that floats?
- \*We say that something sinks if it goes under the water. What can you see in the picture that sinks?

**Main Activity:**

- Explain to your child that today, he/she is going to do a science experiment to test some objects, to find out whether they sink or float.
- Walk around the house with your child and collect items that you would like to test.
- Once you have finished collecting the items, draw a simple container with water.
- Ask your child to select the first object from your collection; then predict if it will sink or float and place it above or below the water.
- \*What can you tell me about this object?
- \*Do you think this will sink or float?
- \*It it heavy or light?
- Encourage your child to sort the rest of the collected items.
- When your child has finished predicting if the items sink or float, fill a large container with water.
- Ask your child to select the first object and place it on the water surface.
- \*You predicted that the Lego block will float. Let's see. Is it sinking or floating? It's floating. You were right!
- Invite your child to proceed with the activity independently to find out if his/her predictions were correct. (Please, supervise your child at all times.)
- \*What can you see? What is happening?
- \*Why do you think it has sunk/floated?
- \*What happens if you push the object under the water?



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\*How many items have sunk and how many floated?

**Challenge:**

- Drop the items into the water from above the container to see if they make a splash.
- Swirl the water with your hands to see which objects move around.

**Additional ways to support your child:**

Let your child freely explore the items and put them into the water. Have fun splashing around!

**Extension:**

Challenge your child to create a simple table to record their findings.

