

Date:	13 th November 2020
Learning Intention: <u>Science</u>	To complete science enquires to help us answer a scientific question.

Does the shape and weight of an object affect if it will float or sink?

We had a lump of modelling clay and had a go at moulding different shapes. We made our predictions then took it in turns to see if our shapes would float or sink. We learnt that the weight and shape *does* matter as we found that the boat shapes that were more hollow floated yet the ball shapes that were more dense sank. We noticed that some of the boat shapes floated to start with but then started to sink as the water got inside. We learnt that this is because the water supports the boat by pushing upwards on the bottom of the boat but it cannot support the boat if it is too heavy.

