ACTIVITY 15 IDENTIFY THE SAMPLES

One of these rocks is a meteorite and one of these rocks is an Earth rock similar to ones we find on the Moon. Can you conduct the following tests to work out what each rock is?

TEST FOR MAGNETISM

Use the magnaprobe and see if the mini magnet gets attracted to the sample.

FINDING THE DENSITY

The equation to find the density of an object is:

\[ \text{density} = \frac{\text{mass}}{\text{volume}} \]

To find the volume of your rocks (*since we are NOT allowed to drop the rocks in the water!*), we need to make a replica of the rock out of plasticine. Half your group model, and find the volume of one of the samples, and the other half will model, and find the volume of the other sample. You will then work out an average volume for each sample and record these in your work sheets.

MAKE SURE YOU DRY YOUR HANDS THOROUGHLY BEFORE YOU HANDLE THE SAMPLES!