Year 3 Science Chemistry: Rocks

What we already know

In KS1 we were introduced to the meaning of the word **absorb**. We also understand that **magma** is **molten** rock that is formed in very hot conditions inside the earth. Some materials are used for certain purposes because of their properties.

Vocabulary

Tier 1	Tier 2	Tier 3
Rocks, natural material	Hand lens, observe	Sandstone, marble, chalk, granite, pumice

Identify Rocks



Rocks are natural materials.

- Granite, pumice, sandstone, chalk, marble and gneiss are all types of rock.
- Rocks have different properties.

Group Rocks

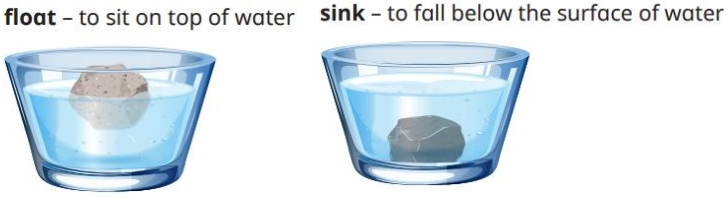
- Rocks can be grouped in different ways based on their appearance

They can be grouped based on how they are made:
Sedimentary – made from visible layers
Igneous – formed by the cooling down of lava
Metamorphic - multicoloured



Test Rocks

Some rocks are more permeable than others. (Air and water flowing through).
Some are more durable than others. (Some rocks can erode easier than others).
Some rocks are more dense than others. (Floating and sinking).



Local Rock Survey

Rocks are used as building materials.
Rocks have different textures and appearances.
Rocks change over time.





What next?

In year 4 we will look at the volcanoes and in year 5 earthquakes.