



Year 3 - Spring 1 - Science Knowledge Organiser

What I already know...

How to identify everyday materials including rocks.
How to compare everyday materials including rocks.

Key Vocabulary

mineral	A natural substance that makes up rock.
rock	Natural substance, made up of one or more minerals.
fossil	Trace or remains of an ancient living thing.
Igneous rock	Formed by the cooling and solidifying of molten materials.
Metamorphic rock	Rock that was once one form of rock but has changed to another under the influence of heat and pressure.
Sedimentary rock	Formed through the depositing and solidifying of sediment.
soil	Substance on the surface of the Earth in which plants grow, made up of pieces of rock and humus.

What I will learn...

- To know the 3 types of rock: igneous, sedimentary & metamorphic and their properties.
- To know how different rocks are formed.
- To know how fossils are made.
- To know the stages of the rock cycle.
- To know what soil is made up of.
- To know the different types of soils and how they affect what grows.

Making a difference at home

You could look for different types of rocks in your garden and local area. Try different locations and habitats.

Why not research about rocks, fossils and soils online? What new facts can you discover?

Enjoy digging in the soil. What can you find?



Making a difference at The Merton

Rocks

Children will learn about the different kinds of rocks and the rock cycle. They will make close and careful observations of a range of rocks and will work collaboratively to investigate the different properties of these rocks. They will also learn about fossils and how they are formed. They will learn about soil and will investigate permeability with a range of soil types. They will understand the importance of fertile soil for plants and growth making links with our History and Geography topic 'Egypt' and the River Nile.

Children will have opportunities to get out into our school environment and look at the local soil types and how this impacts the things that grow locally. They will develop their understanding of farming and where food comes from with a focus on how the food that they eat is produced. This precedes the plants unit of work next half term where the children will be able to grow and nurture their own plants.