

Enquiry Questions: How do we make use of what is under our feet?

Key Vocabulary

**Rock** - made up of grains that are packed together.

**Fossil** - the remains or impressions of a prehistoric plant or animal embedded in rock.

**Igneous** - lava or magma that has turned from liquid to solid (forming a rock).

**Sedimentary** - a rock formed from the build up of sediment from the bottom of oceans or rivers.

**Metamorphic** - an igneous or sedimentary rock that has been changed by extreme heat or pressure.

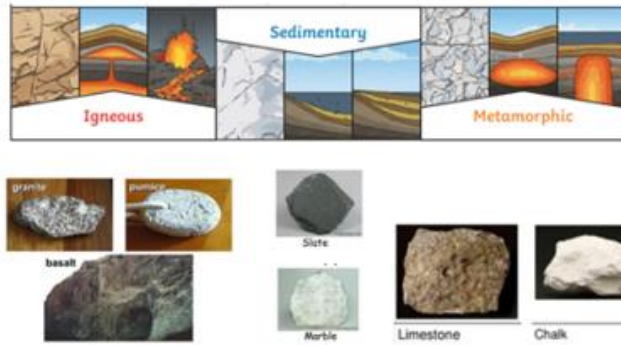
**Sediment** - dead animals, plants or pieces of rock that settle to the bottom of the ocean.

**Soil** - little pieces of broken down rock, sand and bits of plant matter.

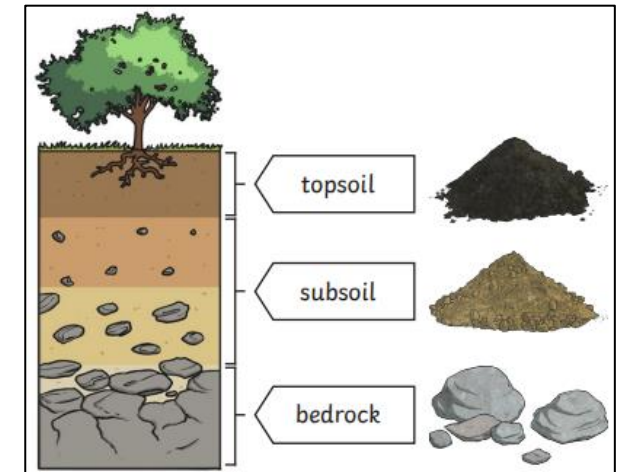
Key facts

- There are three different types of rock. We will investigate the properties of different rocks during our learning.
- We will learn about how fossils are made and how they link with our learning in history.
- We will learn about different types of soil and how soil is made from rock. We will investigate the permeability of soils.

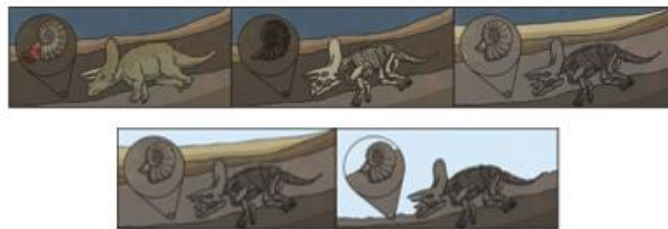
There are three types of rocks:



Soil is the top layer of the Earth's crust, made up of organic matter, minerals, and organisms that support life.



Fossils are made when an animal dies and its body rots away. Sediment takes its place.



Scientific Enquiry

Questions:

- How does light travel?
- What happens if light is blocked by an opaque object?
- What if there was no natural light in our world?



Skills:

- Investigate
- Observe
- Questioning and analysing
- Making connections
- Compare
- Evaluate their findings

Hyde Park Junior School - Science

Topic: Rocks and fossils

Year: 3

Strand: Biology

Enquiry Question: How do we make use of what is under our feet?

Question 1: Which of these rocks are human made?	Start of unit:	End of unit:	Question 2: What does permeable mean?	Start of unit:	End of unit:
Brick			Allowing water to pass through it.		
Limestone			Being able to stop water from flowing.		
Sandstone			A type of rocky soil that is wet.		
Concrete					

Question 3: Chalk is a soft rock.	Start of unit:	End of unit:	Question 4: Sedimentary is one type of rock. What are the other two categories of rock?	Start of unit:	End of unit:
True			Igneous and permeable.		
False			Metamorphic and igneous.		
			Human-made and natural.		

Question 5:	Start of unit:	End of unit:
What is soil?		

Question 6:	Start of unit:	End of unit:
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What is a fossil?