

## Lesson sequence

- 1 • To find rocks in our local area and identify how they are used
- 2 • To group rocks based on their characteristics
- 3 • To compare the characteristics of different rocks
- 4 • Describe what soils are made of
- 5 • How fossils are formed
- 6 • To group fossils based on different characteristics



## Rock & Soil Types



## Knowledge Organiser Rocks

**Erosion**

A good way to discover different types of erosion is by a trip to a graveyard.

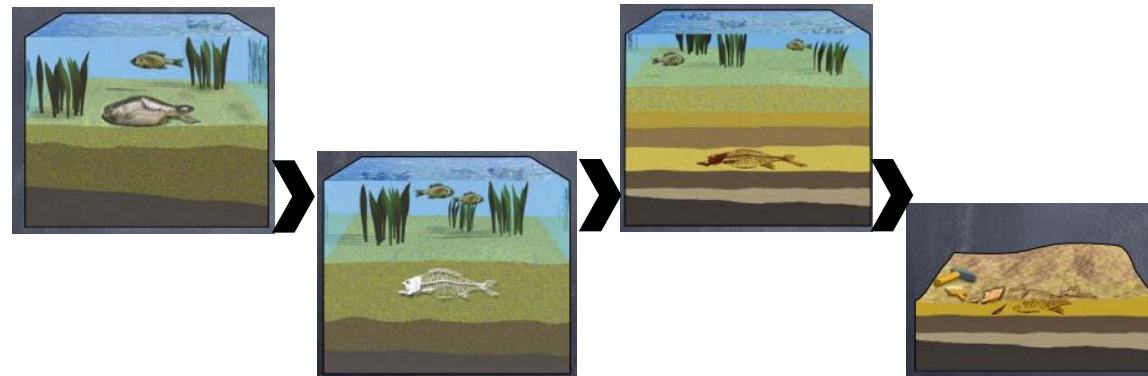
**Physical erosion** is when rocks can be broken up by ice, which thaws in the rock and makes it crack.

**Chemical erosion** can be caused by acid rain dissolving the rock over many years.

**Biological erosion** is when plants and fungi, such as lichens and moss grow on the gravestone.

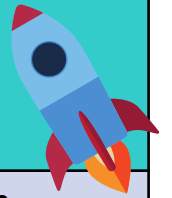
**Rock Type**  
Rocks react to weathering in different ways. The most common rocks for gravestone are marble, slate and granite.

## Fossil Formation



## Key Vocabulary

Learn these words and their definitions.



Key Word	Definition
soil types	These include clay, chalky and sandy and depend on the feel and density of the soil.
horizons	The name given to the different layers of soil found beneath the ground
erosion	When rocks get worn away and break due to physical, chemical or biological processes.
fossil	The remains of a prehistoric animal or plant embedded in a rock.
mineral	A solid substance naturally formed underground i.e. coal.