



Doddiscombsleigh
Primary School

Oak Class
Knowledge Mats

Sticky Knowledge

As Scientists we are learning about... What do rocks tell us about the way earth was formed?



**Doddiscombsleigh
Primary School**

Key questions

How are different rocks formed?

How can you classify different rocks?

Which rocks are hard/ soft?

What are the most common rocks in our local area?

How are fossils formed?

What do fossils tell us about the past?

Igneous



Formed from magma
or lava.



Metamorphic



Metamorphic rocks are
igneous or sedimentary
or rocks that change
chemically due to
proximity to magma,
huge pressure from
burial or changes in
tectonic plates.



Sedimentary



Formed under the sea
as a result of
sedimentation,



compaction and
cementation.



How Were Fossils Created From Sea Creatures?



When a sea creature died a long time ago its shell
or body laid at the bottom of the sea. Over time it
got covered in lots of layers of mud. This protected
it and stopped it from crumbling into tiny pieces.

How Were Fossils Created From Sea Creatures?



After many years, the mud became hard and turned into
rock. As this happened, the shell or body became a fossil.
It is the harder parts of the animals which are now
found fossilised, such as their shells, bones and teeth.

Key Vocabulary

Petrologist

Someone who studies how rocks are
formed and how they are used (a discipline
related to geology)

Igneous

Rocks formed by the cooling and hardening
of molten lava or magma.

Sedimentary

Rocks formed by sediment that is
deposited over time.

Metamorphic

A rock formed from preexisting rock that's
changed through heat and pressure.

Permeable

Allows water to pass through.

Impermeable

Does not allow water to pass through.