

Working together to be the best that we can be

Golden Thread: Sustainability/Material Culture

Key vocabulary

The remains or trace of an animal living from long ago

Rock formed by the build-up of sediment

Wearing away of the earth's surface by wind or water

Rocks are all around us - underground, on beaches, in garden and used for buildings, walls and lots of other useful things.

Some rocks are hard

Hard rocks are difficult to scratch or to break into bits.

You can **polish** hard rocks and make them shiny and smooth.

Hard rocks are used for building.

- Marble
- Granite
- Flint





Some rocks are soft

Soft rocks can scratch easily and can crumble.

Examples of soft rock are:

- Chalk
- Limestone







Some Rocks are Impermeable

This means that they don't allow water to soak through. Most hard rocks are impermeable like marble and slate. These are used for roof tiles and building to make are they are waterproof. Permeable rocks allow water to soak through.



Rock formed by pressure and heat rock igneous rock Rock that is formed by the cooling of magma A type of fossil that comes from the resin of plants amber Hot liquid matter that cools to form igneous rock magma preserved Kept safe from harm or damage To rot and decompose decay Whether a substance allows water to pass through it permeable

fossil

sedimentary

rock

metamorphic

erosion

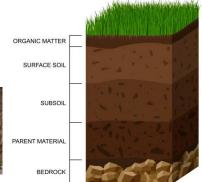
SOIL LAYERS



















3 Major Rock Types

Igneous

 Formed from the solidification of molten rock (magmaor lava).

Sedimentary

- Formed at the Earth's surface from the accumulation and cementation of fragmented pieces of older rock produced by weathering.

Metamorphic

- Rocks that have undergone physical changes as a result of exposure to extreme pressure, temperature and fluids.







Fossils and Mary Anning

Some rocks contain fossils, these are the remains of living things from millions of years ago that have got squashed between layers of rock. The soft bits have rotted leaving the fossil.