

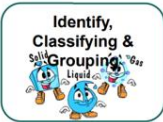
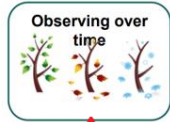
Knowledge Organiser

Key Vocabulary

physical properties
 Sedimentary Igneous
 Metamorphic rock soil
 fossils permeable
 absorb texture
 layers stone

The Big Question: What happens to different types of rocks when they're left in water for a week?

Working Scientifically Knowledge – Observation over time



Chemistry

Observation over time

Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.

Questions for experts

-What are the different layers of soil?
 - If a rock is permeable does it impact its durability?

STEM links to try at home

-Investigate rocks and soil in your garden or local park. Can you sort them into categories?
 - Build a sandcastle. Drip water on it continuously. How long does it stay standing for?

Conceptual Science Knowledge – Rocks

- Lesson 1: Know what rocks are and name different common rocks.
- Lesson 2: Describe different rocks
- Lesson 3 and 4: Know what a fossil is and how they are formed.
- Lesson 5: Plan and set up a simple enquiry
- Lesson 6: Conclude findings and complete diagrams showing observations.

Where can this take you?

- Geologist
- Palaeontologist
- Historian
- Archaeologist

Types of Rocks

METAMORPHIC ROCKS

IGNEOUS ROCKS

SEDIMENTARY ROCKS



METAMORPHIC ROCKS ARE FORMED WHEN THE MINERALS IN ROCKS ARE CHANGED UNDERGROUND BY HEAT AND PRESSURE.

IGNEOUS ROCKS ARE CREATED WHEN MAGMA COOLS AND BECOMES SOLID.

SEDIMENTARY ROCKS ARE MADE OF PARTICLES OF SEDIMENTS SUCH AS SAND AND CLAY OR THE SKELETONS AND SHELLS OF SEA CREATURES.





Key



Vocabulary



rock



fossil



permeable



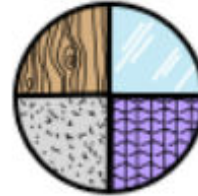
crystal



chalk



granite



texture



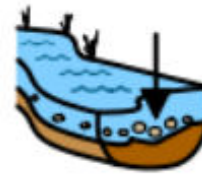
absorb



layers



metamorphic















sedimentary



igneous

Knowledge Organiser

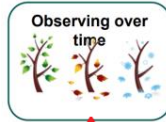
Key Vocabulary

 rock	 fossil	 permeable	 crystal
 chalk	 granite	 texture	 absorb
 layers	 metamorphic	 sedimentary	 igneous

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