


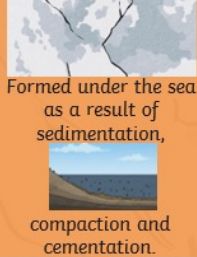
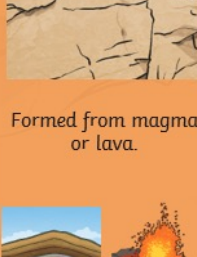
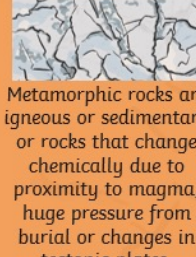
Science LKS2 Knowledge Organiser

Main Learning: Rocks

| Key knowledge |
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| Know that the Earth is made up of different types of rock |
| Know how fossils are formed |
| Know what soil is |
| Know the difference between igneous, sedimentary and metamorphic rocks |
| Group together different rocks according to different attributes |
| Know that some crystals are extremely rare and valuable |

| Vocabulary | |
|--------------------|--|
| sedimentary | Formed when sand, mud and pebbles get laid down in layers. Over time, these layers are squashed under more and more layers |
| metamorphic | When a rock experiences heat and pressure, it becomes a metamorphic rock |
| igneous | Formed when magma cools and solidifies. It may do this above or below the Earth's surface |
| crystals | These are a special kind of solid material where the molecules fit together in a repeating pattern |
| fossil | A fossil is the preserved remains or traces of a dead organism |
| soil | Consists of a mix of organic material (decayed plants and animals) and broken bits of rocks and minerals |



| SCIENCE  | Prior Knowledge- | Sedimentary | Igneous | Metamorphic |
|---|------------------|---|---|---|
| | |  <p>Formed under the sea as a result of sedimentation, compaction and cementation.</p> |  <p>Formed from magma or lava.</p> |  <p>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.</p> |