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| What should I already know? |
| * Name a variety of everyday objects and describe their physical properties.
* Compare and group a variety of objects based on their appearance and properties.
* Why some materials are used for certain purposes because of their properties.
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| What will I know by the end of the unit? |
| * Compare and group together different kinds of rocks based ontheir appearance and properties.
* Describe in simple terms how fossils are formed.
* Recognise that soils are made from rocks and organic matter
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| Classification of Rocks | Classification of Soil |
| SedimentaryThese are made when sand, mud and pebbles get laid down in layers. Over time, these layers are squashed under more and more layers. | Sandy SoilThis is a dry soil with lots of air found in it. It is made up of tiny pieces of weathered rock.  |
| IgneousIgneous rock is formed when magma cools and solidifies, it may do this above or below the Earth's surface. | Clay SoilThis soil is sticky and doesn’t have much air in it. Clay soil often contains a lot of water. |
| MetamorphicWhen a rock experiences heat and pressure, it becomes a metamorphic rock. All metamorphic rocks start as another type of rock. | Loam SoilA mixture between sandy and clay soil. It has some waer and some air in it. This is best for growing plants. |



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| Key Vocabulary |
| absorb | soak up or take in  |
| crystals | A clear colourless glass. |
| fossil | The remains or traces of a once living thing. |
| mineral | Something that is formed naturally in rocks and the Earth. |
| properties | The features that belong to something that makes it unique. |
| rock | a solid which is made up of minerals. Rock forms much of the Earth's outer layer. |
| soil | A mix of dead plants and animals with broken bits of rocks and minerals. |
| weathered | Worn down by the weather. |