What is a geologist?

A geologist studies the Earth and how it is made. They might look at the surface or deep underneath the ground.



This is Lucy Crane. She is a geologist. She works for a company that plans to mine for materials to make electric car batteries.

Some geologists study volcanoes. Some study earthquakes. Geologists work in many different industries, such as:

- mining and quarrying
- engineering
- ▶ oil and petroleum
- environmental protection.

Key Learning and Science Skills:

- Curiosity about the world around them.
- Careful observation and recording of their findings.

Would you like to use your learning about rocks and soils when you are older? Maybe you'd like to be a geologist or a palaeontologist? I wonder if there are more jobs that use rocks and soils learning?



Earth's materials

What is a soil scientist?

A soil scientist studies soil.



This is Sahil. He is a soil scientist. He has studied how different plants help to improve soils in dry countries.

This is important in lots of industries, such as:

- farming
- environmental protection
- building and landscaping.

Key Learning and Science Skills:

- ► Interest in the natural world.
- Perform simple tests to find out soil types and their uses.

What is a palaeontologist?

A palaeontologist studies fossils (including dinosaurs!) to find out about the history of life on Earth.





This is Xu Xing.
He is a palaeontologist.
He has named more
dinosaurs than
any other living
palaeontologist.

Palaeontologists work in different places, including:

- museums
- universities
- outdoors excavating fossils.

Key Learning and Science Skills:

- Care when using tools to find and uncover fossils.
- Look carefully at fossils.
- Use sorting and grouping to decide what fossil they are looking at.