

WS8 Types of rocks

LO: to compare different kinds of rocks based on their appearance

To know what a rock is.

Make comparisons between different rocks.

Identify differences, similarities between rocks.

Key Vocabulary: rocks

soil

manmade

natural

Get ready to
rule rocks!



LO: to compare different kinds of rocks based on their appearance

Know the Science

Rocks are everywhere!

No matter where you are in the world, there are always rocks somewhere beneath you.



Did you know
that the
earth's crust is
made of rock?

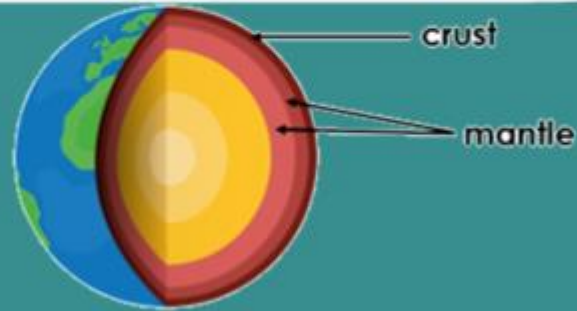


LO: to compare different kinds of rocks based on their appearance

Know the Science

Below the earth's crust is the mantle, which is also made of rock.

The mantle is so hot that it is in liquid form!



LO: to compare different kinds of rocks based on their appearance

Talk like a Scientist

Look down at the ground.

Can you see any rocks?



Why can't we see them?

They are covered by _____.

LO: to compare different kinds of rocks based on their appearance

Talk like a Scientist

Where are the rocks in this picture?



LO: to compare different kinds of rocks based on their appearance

Talk like a Scientist

Where are the rocks in these pictures?



LO: to compare different kinds of rocks based on their appearance

Talk like a Scientist

Where are the rocks in this picture?



LO: to compare different kinds of rocks based on their appearance

Talk like a Scientist

Where are the rocks when you are...

...on the beach?



...in the garden?



LO: to compare different kinds of rocks based on their appearance

Know the Science

A rock is a solid collection of mineral grains that grow or cement together.



LO: to compare different kinds of rocks based on their appearance

Know the Science

Rocks can be naturally occurring...



manmade
natural

Know the Science

...or they can be manmade.



LO: to compare different kinds of rocks based on their appearance

Talk like a Scientist

What do we use bricks and concrete for?



Why do you think they make good building materials?

LO: to compare different kinds of rocks based on their appearance

Talk like a Scientist

Which of these items are made out of rocks?



Why do you think they are made using rocks?

Why would rocks not be suitable to make the other items?

LO: to compare different kinds of rocks based on their appearance



What is the same and what is different about them?

Use this vocabulary to help you describe them...

hard

soft

smooth

gritty

rough

jagged

strong

brittle

crumbly

sparkly

Are there any other words you would use to describe the rocks?

LO: to compare different kinds of rocks based on their appearance

Think like a Scientist

Who do you agree with?

Rocks are
always hard.



Ranjit



Alfie



Rocks are
sometimes
hard.

Asha



Rocks are
never hard.

LO: to compare different kinds of rocks based on their appearance

Exit task – Checking the tricky bits

Let's try answering Caleb's question again...

What is a rock?



LO: to compare different kinds of rocks based on their appearance

To know what a rock is.

Make comparisons between different rocks.

Identify differences, similarities between rocks.

