

Rocks Lesson 1

Introduction

Science KS2 Year 3



Rocks Lesson 1: Introduction

Science

Key Stage 2 Year 3

Learning aims

Pupils should be able to:

- Identify different types of rock, including what they look like and how they feel
- Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties
- Explore where rocks are found and what they can be used for.

Curriculum links:

Compare and group together different kinds of rocks on the basis of their appearance and simply physical properties.

Keywords

Rock. Stone. Pebble. Layers. Hard. Soft. Texture.

These can also be found at the end of this PDF.

(Children will need to see and touch rocks by going out and about for this sequence.)

PowerPoint presentation

The accompanying PowerPoint presentation has 22 slides, providing an introduction to the subject of rocks. You may wish to split it up into more than one lesson. The PowerPoint offers regular opportunities for classroom discussion.

Following the lesson, you may wish to set the children tasks or activities pertinent to your school and locality.

- Perhaps the class can go out to look for different types of rocks.
- After, they could prepare and present a presentation of their findings.



The slides are presented as follows:

- Slides 1 and 2 introduce subject and learning aims.
- Slides 3 to 4 explain what is a rock and properties of rock.
- Slide 5 identifies different types of rock and asks if the pupils can think of any others.
- Slides 6 to 10 examine the differences between rocks, looking at size and texture.
- Slides 11 to 12 look at common places where rocks are found.
- Slides 13 to 14 ask pupils about the similarities and differences between rocks. These could prompt a classroom discussion. All rocks are hard and solid, but they are not all the same size and texture. The differences in size and texture are repeated on Slide 14.
- Slides 15 to 16 ask the pupils to think of what rock is used for and identify those uses.
- Slide 17 asks the pupils to consider why rock is used for building, so another prompt for classroom discussion.

Activities

- Slides 18 to 22 are activities that pupils can do, either in the classroom or in their own time.
- Slide 18 asks the pupils to see how many different types of rock they can find in their neighbourhood. This could be set as homework, for pupils to bring their findings to class for discussion, as suggested in Slide 21.
- Slide 19 suggests using a magnifying glass to examine the rocks to see what they look like close up. It introduces the use of tools and instruments for scientific examination.
- Slide 20 asks the pupils to make rubbings of the rocks they find using pencil and paper.
- Slide 21 asks the pupils to bring back rocks they have found to examine, or look for images on the internet of different types of rock.
- Slide 22 asks the pupils to make a presentation of their findings.

You may wish to create a final slide, based on the follow-up activity you have chosen as most appropriate for your class.



Rocks: Keywords Flashcards



Rock

Stone

Pebble

Layers

Hard

Soft

Texture



Rock



Pebble



Stone



Layers



Hard



Soft



Texture

