

Rocks Lesson 3

Soil

Science KS2 Year 3



Rocks Lesson 3: Soil

Science

Key Stage 2 Year 3

Learning aims

Pupils should be able to:

- Recognise that soils are made from rocks and organic matter.
- Explore different soils and identify similarities and differences between them.
- Investigate what happens when rocks are rubbed together or what changes occur when they are in water.
- Raise and answer questions about the way soils are formed.

Curriculum links:

recognise that soils are made from rocks and organic matter.

Keywords

Soil. Sand. Clay. Silt. Loam. Layers. Organic Matter.

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

Soil

Sand

Clay



PowerPoint presentation

The accompanying PowerPoint presentation has 24 slides, providing a guide to different types of soil, what it contains, and the different layers of composition. 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.

- If it is suitable to your location, the class can go out to collect soil samples for examination by magnifying glass or microscope.
- If it isn't suitable to your location, use videos, images of possible pre-collected samples to examine.
- After, ask them questions about how soil is made. The slides provide some questions with the answers appearing below, allowing the pupils to answer and the answer being revealed.

The slides are presented as follows:

- Slides 1 and 2 introduce soil and learning aims.
- Slides 3 to 4 explain what soil is and the different types.
- Slides 5 to 6 introduce sandy soil and clay soil.
- Slides 7 to 8 introduce chalky soil and silt.
- Slide 9 introduces loam.
- Slide 10 introduces the five layers of soil.
- Slides 11 to 12 outline the properties of humus and topsoil.
- Slides 13 to 15 outline subsoil, parent matter and bedrock.
- Slides 16 to 19 ask a series of questions about types of soil, its differences and similarities. Each slide provides opportunities for discussion.
- Slide 20 is an activity suggestion for pupils to gather soil samples for examination, if appropriate. If it's not possible, showing videos, images or pre-collected samples are an alternative.
- Slides 21 to 22 suggest activities and investigations that children can do in the classroom.
- Slide 23 is an opportunity for pupils to recap on soil layers.
- Slide 24 congratulates the pupils on a job well done.
- You may wish to create a final slide, based upon the follow-up activity you have chosen as most appropriate for your class.



Rocks: Keywords Flashcards



Soil

Sand

Clay

Silt

Loam

Layers

**Organic
Matter**



Soil



Sand



Clay



Silt



Loam



Layers



Organic Matter

