

Rocks Lesson 4

Fossils

Science KS2 Year 3



Rocks Lesson 4: Fossils

Science

**Key Stage 2
Year 3**

Learning aims

Pupils should be able to:

- Describe in simple terms how fossils are formed when things that have lived are trapped within rock.
- Learn about the different types of fossils and where you might find them.

Curriculum links:

recognise that soils are made from rocks and organic matter.

Keywords

Fossil. Skeleton. Sediment. Layers. Compression. Palaeontologist. Dinosaur. Ammonite. Organism.

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

Skeleton

Sediment

Layers



PowerPoint presentation

The accompanying PowerPoint presentation has 22 slides, providing an introduction to how both animal and plant fossils are formed. You may wish to split it up into animal and plant sections. 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 a trip to the beach to look for shells and leaves preserved in rocks is possible if the school is near the coast. If not, visits to dinosaur and natural history exhibitions are an alternative.
- After, they could prepare a presentation about the trip.

The slides are presented as follows:

- Slides 1 and 2 introduce subject and learning aims.
- Slide 3 explains – What is a fossil?
- Slides 4 and 5 introduce animal fossils and plant fossils.
- Slides 6 and 7 explain how animal fossils form.
- Slides 8 and 9 explain animal fossils: where they can be found, and how they were discovered.
- Slide 10 introduces palaeontologist.
- Slide 11 is a recap, asking questions about the previous slides; What have we learned?
- Slides 12 to 15 explain the three different types of plant fossils and how they are formed.
- Slides 16 and 17 are a recap, asking questions about plant fossils; What have we learned?

Activity

- Slide 18 is a drawing activity. Using pictures and images from the internet as a guide, ask pupils to draw either a dinosaur under the earth's surface, and/or a sea creature.
- Slides 19 - 22 are an art activity to make your own fossil using flour and used coffee grounds. **TIP:** The use of coffee grounds makes the finished fossils look more realistic, as if they were speckled with rock and mud. If you contact a local coffee shop in advance, they are usually quite willing to provide some of their used coffee grounds for free.
- Slide 23 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



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