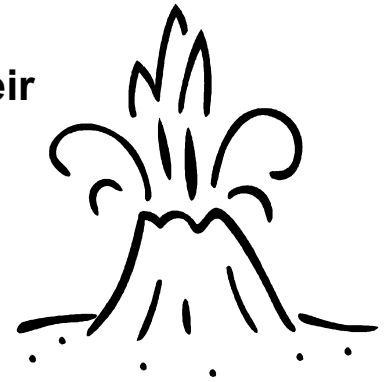


# Rock Cycle

You are going to produce a PowerPoint presentation about different types of rock, their properties and how they are formed.



This activity will help you:

- Learn more about rocks and how they are formed
- Develop your ICT skills
- Further develop your literacy skills

Use the following to help you:

- The questions on the PowerPoint template
- Books and the Internet for extra information and images
- The *Designing your presentation* helpsheet. The template is only a starting point. You can add extra images, slides and information, and change the format of the slides if you want to.

Some key ideas that you should try to cover in your presentation:

- The processes that form and change rocks
- How quickly these changes take place
- There are three types of rock – igneous, sedimentary and metamorphic

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## Introduction

The aim of this presentation is to try and tell the story of rocks. It is easy to forget that the rocks are not permanent. They are made and broken down in a cycle. Through this PowerPoint presentation you should try to tell the story of rocks; the processes that form them and change them, some of their properties and what rocks can tell us about the earth.

Use the questions on the slides that follow this one to create a presentation that tells this story. To access the necessary information, click on 'info'. This takes you straight to a relevant website.

On each slide, delete the questions and substitute your answers. If these do not fit on one slide, change the font size. Make sure you answer in full sentences, and include the question in the answer.

To print your work:

Delete this slide and all the pictures (unless you use a colour printer, you will not be able to read the text).

Click on 'file', 'print preview', 'print what' then 'Handouts (6 slides per page)'.

Ask permission and then print your fact sheet.

<p><b>1 Eruptions <u>info</u></b></p> <ul style="list-style-type: none"> <li>◆ What do volcanoes tell us about the inside of the Earth?</li> <li>◆ Where do we find most volcanoes?</li> <li>◆ What information can be used to forecast if a volcano is about to erupt? (There are different types of information, this is an example.)</li> </ul>	<p><b>6 Rocks in the Graveyard <u>info</u></b></p> <p>Take a virtual tour of the graveyard</p> <ul style="list-style-type: none"> <li>◆ In the graveyard you should be able to find an example of each of the three types of rock- igneous, sedimentary and metamorphic. List them.</li> <li>◆ What properties of rock should you think about before using them in a graveyard?</li> </ul>
<p><b>2 Edinburgh's Volcano <u>info</u></b></p> <ul style="list-style-type: none"> <li>◆ Where is Arthur's Seat?</li> <li>◆ Of what is it the remains?</li> <li>◆ From what type of rock is it made?</li> <li>◆ How long ago was it formed?</li> <li>◆ What caused it to be clearly exposed?</li> <li>◆ What must the Edinburgh area have been like when it was formed?</li> </ul>	<p><b>7 How Are Rocks Formed <u>info</u></b></p> <ul style="list-style-type: none"> <li>◆ How are igneous rocks formed?</li> <li>◆ How are sedimentary rocks formed?</li> <li>◆ How are metamorphic rocks formed?</li> </ul>
<p><b>3 Volcanoes <u>info</u></b></p> <p>List some good things about volcanoes.</p>	<p><b>8 Igneous Rocks <u>info</u></b></p> <p>Add a photo of igneous rock in the box to the left.</p> <p>In this box list some of the properties of igneous rocks.</p>
<p><b>4 Sedimentary Rocks and Fossils <u>info</u></b></p> <ul style="list-style-type: none"> <li>◆ What are fossils?</li> <li>◆ Why are fossils useful?</li> <li>◆ How do fossils come to be in sedimentary rocks?</li> </ul>	<p><b>9 Metamorphic Rocks <u>info</u></b></p> <p>Add a photo of metamorphic rock in the box to the left.</p> <p>In this box list some of the properties of metamorphic rocks.</p>
<p><b>5 Metamorphic Rock <u>info</u></b></p> <ul style="list-style-type: none"> <li>◆ What is metamorphic rock?</li> <li>◆ How is slate formed?</li> <li>◆ What is slate used for?</li> </ul>	<p><b>10 Sedimentary Rocks <u>info</u></b></p> <p>Add a photo of sedimentary rock in the box to the left.</p> <p>In this box list some of the properties of sedimentary rocks.</p>