

Volcanoes - KS2 Geography

Duration:	60 mins
Curriculum areas covered:	<p>Pupils should extend their knowledge and understanding beyond the local area to include the location and characteristics of a range of the world's most significant physical features.</p> <p>Human and Physical Geography:</p> <ul style="list-style-type: none"> Describe and understand key aspects of volcanoes.
Teaching objectives:	<p>By the end of this lesson, the children will be able to:</p> <ul style="list-style-type: none"> Name parts of a volcano. Describe the impacts of a volcanic eruption. Describe the process of a volcanic eruption.
Key vocabulary: eruption, explosion, lava, magma, ash, flow, volcano, igneous rock, gas, crater.	
Resources: <i>Cardboard cowl, wax crayons, colouring pencils, staplers, white trays, jugs of water, red food dye, washing up liquid, straws, bottles with holes in, safety goggles, PowerPoint.</i>	
Safety: <i>Wear safety goggles and blow only method when erupting volcanoes. Wipe up any spills immediately. Wash hands after practical.</i>	
<h3>Activities</h3> <p>Introduction – 5 mins Explain briefly what they will be doing:</p> <ul style="list-style-type: none"> Discovering what volcanoes are and how they form. Discuss the disadvantages and advantages of living near volcanoes. Build and erupt your own volcano (practical). <p>Main</p> <p>Volcanoes – 20 mins See KS2 Volcano Presentation PowerPoint (complete with teacher notes). Areas covered:</p> <ul style="list-style-type: none"> What a volcano is and discuss recent volcanic eruptions – Europe and Worldwide? Volcano structure. Types of eruption and lava. How volcanoes form. Benefits and disadvantages of living close to volcanoes. <p>Practical Activity – 20 mins (see slide 12) Brief children on how to make and erupt their own volcano. Safety precautions must be explained and goggles provided.</p> <p><u>Questions</u></p> <ol style="list-style-type: none"> Did the eruption affect your house? How would you feel if a volcanologist predicted an eruption and you were told to evacuate? What would you do? You may have to leave your animals and belongings behind. How do volcanologists predict eruptions? <p>Plenary – 5 mins Would you live near a volcano? Why/why not? What are the main dangers/benefits?</p>	
Differentiation	<p><i>To stretch and challenge</i></p> <p>Option 1: Volcano crossword sheet (use with or without volcano glossary sheet to support). Option 2: Volcano wordsearch</p> <p><i>To support additional educational needs:</i> Extra teacher and TA support as needed.</p>
Take away	<p>Model volcanoes. Stretch and challenge resource if not used.</p>