

## Lesson outline for KS1 Volcanoes

Key objectives: To discover what a volcano is

To understand what makes a volcano erupt

To discover two types of eruption which create two types of volcano.

To handle volcanic rock.

Feature	Activity	Time
Introduction- what do you know? What would you like to know?		5mins
What is a volcano – introduce terms that describe the features of volcanoes Explain that they can be active, dormant or extinct. Why do volcanoes erupt?	Look at Powerpoint slides + Pupils look at the inside of the model volcano	5mins
Making a volcanic eruption	Power point to explain 2 types of eruptions. Demonstrators make an explosive eruption using the volcano model using cola and mentos mints. Discuss what happened and why	10mins
Create 2 dance sequences to show the two types of eruptions	<ol style="list-style-type: none"> <li>1. Effusive eruption: 10 pupils form a ring with the rest inside. Pupils inside the ring start off asleep- dormant volcano. They wake up and start to move around. They move quicker and quicker building up energy and move quickly from one foot to the next as if too hot to touch the ground. Then start to jump up and slither out of the ring like a lava flow.</li> <li>2. Swap so that those pupils who were the magma now form the cone.</li> <li>3. Explosive eruption: A different 10 pupils form the ring with the rest inside. They start off asleep (dormant volcano), then slowly wake and move around within the circle. This time the girls will act as bubbles using their hands to 'pop' as they move around. The pupils move quickly around the circle then crouch down together and explode in one big jump. Some pupils then form an ash cloud and float around the classroom on tiptoes. Others become volcanic bombs and jump out of the volcanic cone</li> <li>4. Swap and repeat.</li> </ol> Ask pupils what it felt like to be the different components of a volcano	20mins
Exploring volcanic rocks	Pupils sit in a circle and pass around volcanic rocks (lava, pumice etc from Bristol University collection)	10mins
Plenary- what have you learnt? Any questions?	Quick quiz and opportunity to ask questions	10mins

**Resources from Bristol University:** Model volcano, Coke, mentos mints, plastic sheet, specimen rocks- Lava, Pumice, volcanic bombs, Granite, Gabbro