

Volcanoes : Geography : Year 3/4

	Learning Objective	Overview	Assessment Questions	Resources
Lesson 1	Volcanoes: Show what you know	Children will learn what a volcano is before locating some of the world's most well-known volcanoes. They will describe where these volcanoes are in relation to the northern and southern hemispheres, and the equator. They will then use a variety of information sources to find out further facts about particular volcanoes.	<ul style="list-style-type: none"> Can children recognise what a volcano is? Can children explain where some famous volcanoes are in the world? Can children read and interpret a range of information types (tables, maps, written)? 	<ul style="list-style-type: none"> Slides Worksheet 1A/1B/1C Famous Volcano Fact Cards World Map (for FSD? activity only) Map Challenge (for FSD? activity only) Computers, atlases and books
Lesson 2	To explore what happens when a volcano erupts.	Children will look at photos of volcanoes erupting. They will learn what causes a volcano to erupt and what happens during an eruption. They will have the chance to explore labelled diagrams and begin to understand the impact volcanic eruptions have on the surrounding environment.	<ul style="list-style-type: none"> Can children explain and describe what happens when a volcano erupts? Can children explain why a volcano erupts? Do children understand that volcanic eruptions impact the surrounding areas? 	<ul style="list-style-type: none"> Slides Personal Volcano Report Worksheet 2A/2B/2C Teacher Help Notes (for FSD? activity only) Survival Poster Template (for FSD? activity only)
Lesson 3	To explore the features of volcanoes.	Children will learn and interpret new vocabulary associated with volcanoes. They will learn about the three types of volcanoes (composite, shield and dome), how they are formed and why they are different. They will also find out the difference between an extinct, active and dormant volcano and will be able to explain this to others.	<ul style="list-style-type: none"> Do children understand the parts of a volcano? Can children explain the three main types of volcanoes? Can children understand and interpret cross-section diagrams of volcanoes? 	<ul style="list-style-type: none"> Slides Worksheet 3A/3B/3C Volcano Top Trump Cards (for FSD? activity only) Volcano Top Trumps Instruction Card (for FSD? activity only)
Lesson 4	To understand what tectonic plates are and what the 'ring of fire' is.	Children will learn what the tectonic plates are and identify which plates different countries lie on. They will understand how these plates move and how this can cause volcanoes and other natural disasters. They will look at the 'ring of fire' and identify why volcanoes particularly occur along fault lines.	<ul style="list-style-type: none"> Do children understand the world's countries sit on large tectonic plates? Can children name the tectonic plates and countries that lie on them? Do children understand there are three types of plate boundaries? 	<ul style="list-style-type: none"> Slides Worksheet 4A/4B/4C/4D Atlases, globes and computers Oreo Biscuits (for FSD? activity only) Tectonic Plate Diagrams (for FSD? activity only) Tectonic Plate Poster (for FSD? activity only) Tectonic Plate Map (for FSD? activity only)
Lesson 5	To explore life in volcanic areas.	Children will explore why people live in volcanic areas and what the various benefits of this can be for people, such as fertile soil and mining opportunities. They will also find out about some of the different species of flora and fauna that live in volcanic areas.	<ul style="list-style-type: none"> Can children explain why some people and animals live near volcanoes? Do children understand that not all volcanic regions are hostile? Can children explain how people, plants and animals adapt to a volcanic environment? 	<ul style="list-style-type: none"> Slides Worksheet 5A/5B/5C Captions 5A Volcanic Animals (for FSD? activity only) Volcanic Plants (for FSD? activity only) Animal Booklet Template (for FSD? activity only) Plant Booklet Template (for FSD? activity only)
Lesson 6	To compare a volcanic area to a non-volcanic area.	Children will consider ways in which life in a volcanic area is similar to or different from life in a non-volcanic area. Using photos as a stimulus, your class will compare Hawaii with the area they live in, noticing similarities and differences in geographical features and lifestyles.	<ul style="list-style-type: none"> Do children understand the similarities and differences between a volcanic area and a non-volcanic area? Can children explain how their life differs to others? Do children understand why people choose to settle in certain areas? 	<ul style="list-style-type: none"> Slides Comparison Cards Challenge Cards 6A/6B/6C Volcanic Settlement Images (for FSD? activity only) Comparison Poster (for FSD? activity only)
Lesson 7	To be able to show what you have learnt about volcanoes.	Children will recap everything they have learnt about volcanoes. They will then choose a particular volcano to research in more detail, presenting the information in the way they feel is most appropriate. There is also the chance to build a model volcano and make it erupt.	<ul style="list-style-type: none"> Can children use research skills to find information? Can children plan and present a presentation on a chosen volcano? Do children know how to work in small groups? 	<ul style="list-style-type: none"> Slides Famous Volcano Images Project Instructions Worksheet 7A/7B/7C Volcano Model Instructions (for FSD? activity only) Volcano Model Examples (for FSD? activity only) Craft materials (for FSD? activity only) Large plastic container/cup (for FSD? activity only) End of Unit Quiz slides and worksheet