

Entry Task

Create a piece of volcano inspired 'big' art recapping on the abstract style of Kandinsky.
Can pupils feel inspired by the process of eruption?



Extreme Earth



Big Question

What is our planet made out of?

What to revisit?

Y2 Where can seeds grow? Will any soil do?

Y2 Builds on understanding of continents and oceans

Vertical Threads

Climate, resistance, fertility
extinct, settlement, friction,
humanity, exploration

Can I explain through diagrams and writing what the inside of the Earth is like?

Can I research and explain (verbally and written) why volcanoes erupt and what do they look like on the inside?

Why do some volcanoes explode so violently? Can I design a fair test to demonstrate an explosion?

What are the differences between active, dormant and extinct volcanoes?

Can I locate the UK and countries which have volcanoes in them on a world map?

How did Mount Vesuvius destroy the settlement at Pompeii? Can I describe the events using appropriate vocabulary in a geographic report making reference to Pliny the Younger?

What are tectonic plates? How do they join together to form the Earth's crust?

How does friction caused by the movement of tectonic plates, cause earthquakes?

Can I find out how soil is formed and what it is made of?

Can I perform a fair test to show how various soil types have different permeability?

What happens when rocks are rubbed together? What changes occur when they are in water?

Using research can I find out why fossils are generally formed only in sedimentary rocks?

Using atlases can I find The Ring Of Fire? What do I notice? Why might this be?

Using careful observation and a key can I sort igneous, metamorphic and sedimentary rocks?

Can I explore how the movement of tectonic plates form mountains?

Using careful observation can I sort man made and natural rocks?

What is a Tsunami and how are they caused? What damage can they cause to settlements?

What are tomadoes and how are they caused? In what climate do tomadoes happen across the world?

Celebration/Evaluation

Children will create and label diagrams of aspects studied (e.g. Earth, volcanoes, earthquakes etc) to demonstrate their learning.

Curriculum Passport Challenge

Children will investigate a geological disaster in school and partake in a simulation of a journey to the centre of the Earth.

Key Vocabulary

As a geographer, I will use... volcano, Earth's core, climate, earthquake & Ring of fire, vegetation, soil, equator, globe, environment, volcanic soil, fertile, tectonic, fault line, epicentre, eruption, column, richter scale, vent, seismic wave, Tsunami, mantle, plate, active, after shock, amplitude, core, crater, dormant, Mediterranean, eruption, extinct, high / low pressure, farming,

As a scientist, I will use... Rocks - extinction, igneous, metamorphic, sedimentary, palaeontologist, weathering, molten rock, crust, tectonic plates, scavengers, fossil, decay, matter, observation and fair test.

DRIVER SUBJECTS ARE GEOGRAPHY & SCIENCE