



Teacher: Mr Hammond

Term: Autumn 2 (B)

Class: Godrevy

Year group: 5 & 6

Extreme Earth

As writers we will learn about:

Fiction—Responding to a warning story (Escape from Pompeii, by Christina Balte)

- ◇ Write from Tarino's point of view as he escapes from Pompeii.
- ⇒ Use a range of sentence structures including: fronted adverbials; preposition phrases; complex sentences; relative clauses 'who', 'which', 'where', 'why' or 'whose'.

Non—Fiction - Writing a persuasive leaflet

- ◇ Learn the 'Volannius – A Tourist Hotspot'
- ◇ Use a range of organisational and presentational devices to structure a persuasive leaflet
 - ⇒ Use expanded noun phrases to convey complicated information concisely
 - ⇒ Use accurate punctuation including: semi colons; brackets, dashes and commas to show parenthesis; hyphens
 - ⇒ Use correct tenses including perfect form of verbs
- ◇ Independent Writing - Write persuasive leaflet, encouraging people to visit Narnia despite the wicked Witch and everlasting winter

As mathematicians we will learn about:

- ◇ Multiplication and Division
- ◇ Multiplies, Factors & Prime Numbers
- ◇ Statistics

As scientists we will learn:

Properties of Materials and Changes

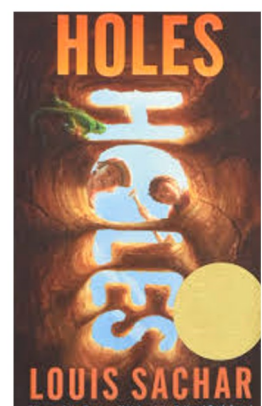
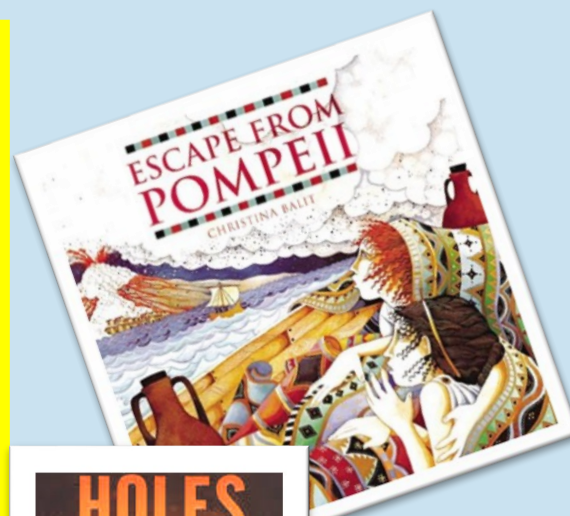
- ◇ Make a volcano with bicarbonate soda

Evolution and inheritance

- ◇ Think about how fossils provide information about living things that lived in the past

As geographers we will learn about:

- ◇ Volcanoes and Earthquakes
 - ⇒ Why they occur
 - ⇒ Use maps and atlases to locate where they happen
 - ⇒ How they are measured
 - ⇒ The impact that disasters have including the economic activity and natural resources including energy and food
- ◇ Learn about other extreme weather around the world including tsunamis and tornados



Homework

Monday: **Times Table Test** (99 club)

Wednesday (due in) : **Maths Homework** booklet 1 page per week

Friday: Spelling Test

Every Night: **Reading** at least 10 minutes each night. Please log in reading record.

Topic Grid: Optional homework linked to our topic of 'By the Sea'

As artists we will learn to:

- ◇ create volcano pictures using paint to create different effects (Hot and cold colours)
- ◇ create our own Hokusai's 'Great Wave'

In Music, we will learn about:

Composition and explore tremors and vibrations in musical instruments and how they produce their sounds

In computing, we will use:

Virtual and Augmented reality to explore extreme areas conditions around the world

Use Garage band to create a persuasive advert to encourage people to come to our self created Volcanic Island

In RE, we will think about:

What does it mean if Christians believe God is holy and loving?

In PSHE, we will:

think about global response to natural disasters around the world.

In Design Technology, we will,

- ◇ Design and make a fair-ground ride using Crumble to control it and using mechanisms, including levers, pulleys and gears.
- ◇ Investigate structure that could be used to reinforce buildings against earthquakes.

Earthquakes and Volcanoes

By the end of this project, I will know

- Tectonic Plates are the crust of the earth split into parts – a bit like a jigsaw. They are able to move
- Is a path along the Pacific Ocean with active volcanoes and frequent earthquakes. 90% of the world's earthquakes occur here

Which continents are affected by the ring of fire?

- North America, South America, Australasia and Asia

How are volcanoes formed?

- Volcanoes are formed when magma from within the Earth's upper mantle works its way to the surface. At the surface, it erupts to form lava flows and ash deposits. Over time as the volcano continues to erupt, it will get bigger and bigger

What causes earthquakes?

- Earthquakes are usually caused when rock underground suddenly breaks along a fault. This sudden release of energy causes the seismic waves that make the ground shake. When two blocks of rock or two plates are rubbing against each other, they stick a little. They don't just slide smoothly; the rocks catch on each other. The rocks are still pushing against each other, but not moving. After a while, the rocks break because of all the pressure that's built up

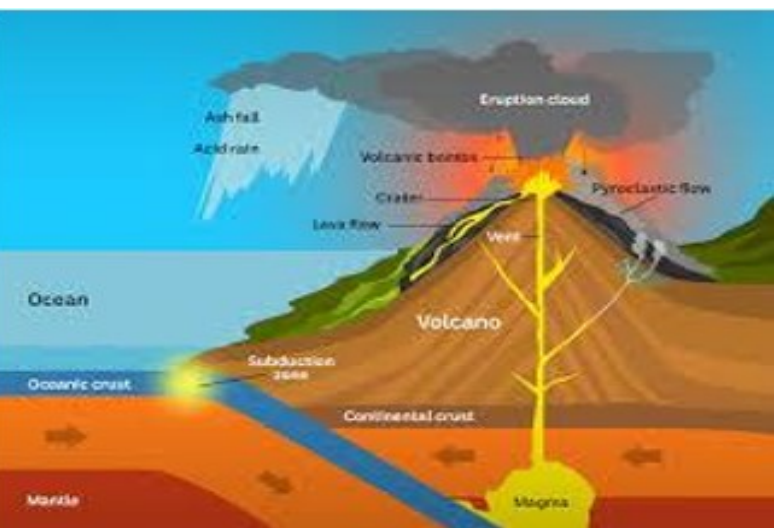
How are countries affected by volcanoes and earthquakes

- Here we will look in detail at the different impacts, including physical impacts on buildings etc but also impacts on communities

Geographical and Fieldwork Skills

- Understanding and using atlases to locate the Ring of Fire, and countries and continents impacted
- Using subject specific vocabulary: northern and southern hemisphere, latitude, longitude and equator
- Geographical skills to locate key locations
- Identify the difference between natural and human features
- Study different recounts and pieces of evidence

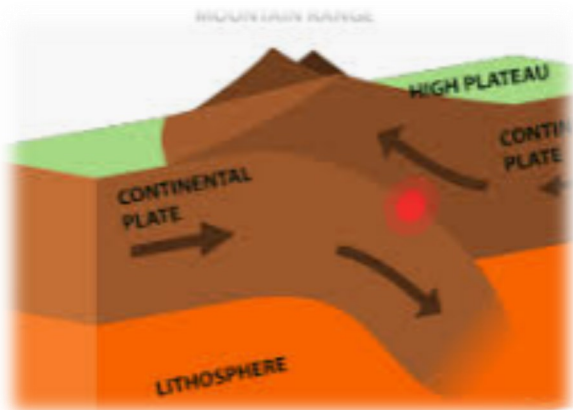
Geography



Science - Forces



Continents	Any of the world's main expanses of land (seven continents)
Mantel	A layer of rock between the crust and the outer core
Crust	Outer layer of the planet
Active volcano	A volcano which has had at least one eruption during the past 10,000 years
Equator	The equator divides the Earth in the norther and southern hemisphere
Tectonic Plate	Earth's outer layers is made up of large moving pieces called plates
Dormant	A dormant volcano is an active volcano that is not erupting but supposed to erupt again
Earth's Core	The part of the earth in the
Vortex	A mass of wind or water that spins around so fast that it pulls objects down
Eruption	Pouring out of fumes or lava
Hemisphere	Hemisphere means half (hemi)



Design & Technology

We will investigate how buildings are built to withstand earthquakes and then design your own earthquake-proof structure (tooth picks and marshmallows)



We will se use our knowledge of gears and pulleys to create a fair-ground ride.

