

DISASTER!

VOLCANOES AND EARTHQUAKES

We have just started our topic of Disaster! And have begun to focus on volcanoes and earthquakes. Professor Jerram delivered a presentation that whetted our appetite for these violent natural phenomenon.



We would like you to create a project about volcanoes and a separate one about earthquakes based on research that you will need to do. This means **TWO** projects. You can produce **either** a large information poster, a fact file or a report. One out of the two projects can be a PowerPoint but you must ensure it has more detail/information than images.

Please ensure that your project details the following:

VOLCANOES

- What is a volcano?
- Why and how does a volcano erupt?
- What effect does a volcano have when it erupts? **How does it affect humans?**
- Use a world map and record the locations of 10 volcanoes across the world.
- What is The 'Ring of Fire'?
- Find specific information about a **recent eruption** and explain the impact on human settlement that your chosen volcano had.
- EG Pompeii eruption in 79 AD; **Mexico's Popocatepetl volcano eruption** on December 2, **2018**. Or New Zealand's White Island eruption in December 2019.
- Answer the following question: **Should humans live in the shadow of a volcano with the threat that it imposes?** Try to make informed conclusions based on evidence that you find and refer to that evidence. Should humans live by a volcano? Aren't they putting themselves in danger? Shouldn't they live somewhere away from the threat of a volcano?

- Can you make a volcano? This is not something you need to do but could be a bit of fun. There are plenty of videos on the internet showing different ways to create an ‘eruption’ using vinegar and baking soda for example. Take any photographs if you can and put them into your project.

EARTHQUAKES

- What is an earthquake and how does it occur?
- What are plate tectonics and how does this relate to earthquakes?
- What happens during an earthquake?
- Why can earthquakes be a disaster for humans?
- Which countries around the world are most affected by earthquakes? EG San Francisco? Japan? Turkey? The UK?
- Can you annotate a map with information about some of the most devastating earthquake disasters?

Finally, do ensure your projects shows your understanding of volcanoes **and** earthquakes; it should have well written information and answers to the questions. Be warned: **DO NOT just copy and paste your information!** It is obvious when this happens and you will not benefit from doing this. Ensure your projects are **written in your own words**, is well presented with key features of an information text, report or poster.

I hope you enjoy this project and look forward to seeing them when we return back to school. We can then look at all the projects and learn from each other about these amazing natural events. Enjoy.

