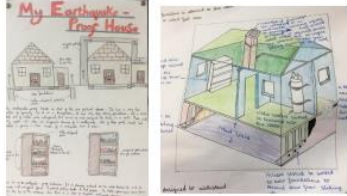


Year 3/4 Tremors (Homework Autumn Term 2024)

What happens when the Earth shakes? In this project, we'll find out about the dangerous world of natural disasters and their deadly effects. This term we'll gather rock samples, find out about different types of rocks and sort them according to their properties. By carrying out research, we'll investigate the Earth's layers and the location of volcanoes, discovering what causes them to erupt. We'll write powerful poetry inspired by our work on volcanoes. Working as archaeologists, we'll locate Mount Vesuvius on a map and find out what it was like to live in Pompeii during the eruption. Using our model making skills, we'll build earthquake-proof structures and test them out. We'll also use different modelling materials to create a volcano - watch out, it's going to blow! At the end of the topic, we'll create digital presentations, so you can see all of the exciting things we've learned about.

In the grid below you will find many interesting activities for you to complete at home. Choose one activity each week to complete in your homework book. Your book will need to be returned to school every MONDAY.

Article 28: Your right to learn and to go to school. **Article 13:** You have the right to find out things and share what you think with others by talking drawing writing or in any other way unless it harms or offends other people.

ICT/Art/DT (expressive arts/health & well-being) Design a poster or make a volcano model. Make sure you include the features and label the important parts. 	Geography/ICT/History (humanities) Earthquakes and volcanoes are fascinating forces of nature. Why not research famous earthquakes and volcanic eruptions, and plot the locations on a map?	DT/Literacy (science & technology) Hunt for rocks in your garden and sort them into groups by their appearance. Take pictures of your discoveries and create a digital presentation using the HWB platform (you could use PowerPoint)	Numeracy/DT (entrepreneurial skills) Practise adding and subtracting either • Two 2-digit numbers • Two 3 digit numbers • Two amounts of money using £ and p Example layout $\begin{array}{r} 47 = 40 + 7 \\ + 76 \\ \hline 110 + 13 = 123 \end{array}$ $\begin{array}{r} 47 \\ + 76 \\ \hline 123 \end{array}$ $\begin{array}{r} 258 \\ + 87 \\ \hline 345 \end{array}$ $\begin{array}{r} 123 \\ + 11 \\ \hline 134 \end{array}$ $\begin{array}{r} £4.57 \\ - £2.35 \\ \hline £2.22 \end{array}$
Art/DT/Literacy (expressive arts/health & well-being) Design an earthquake proof house. How could you prevent the building from collapsing during an earthquake? 	Literacy (languages, literacy & communication) Create a dictionary that explains key volcano vocabulary in your own words. Volcanoes Active Volcano - volcano that is erupting or has erupted recently Caldera - large cauldron-shaped depression caused by the ground collapsing into an empty magma chamber Cinder cone - produced by ash falling around a vent Composite volcano - made of layers of ash and cinder cone Crater - depression on the top of a volcano Dormant - volcano that has not erupted recently but is expected to erupt again Extinct - volcano that hasn't erupted recently and is not expected to erupt again Lava - magma that reaches the Earth's surface Magma - molten rock below the Earth's surface Magma chamber - large area deep underground filled with magma Pyroclastic flow - very hot mixture of gas and ash that erupts with great force and speed Shield volcanoes - volcano that forms from lava that builds up slowly over time Vent - opening in the top or side of a volcano where lava erupts Volcanic ash - tiny pieces of material that are ejected in a pyroclastic eruption 	Literacy/numeracy/science (s&t, health & well-being) Write a short story about an earthquake. Make sure you include information such as the earthquake's strength, how it affected the land. Use geographical words in your account such as tremor and epicentre.	Literacy/DT/Geography (humanities) Research a volcanic eruption of your choice. Produce a fact poster about the eruption, including: - a sketch map to show its location - a description of the eruption - an explanation of why it erupted - details about the eruption's impact. 