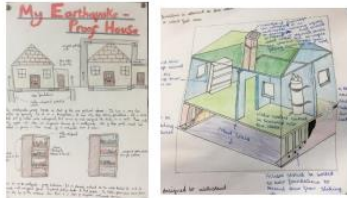


Year 3/4 Tremors (Homework Autumn Term 2022)

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 at least every half-term for the class reflection time where homework will be displayed and shared with class peers. If you would like to email your homework please send it to whitep7@hwbcymru.net.

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.

Expressive arts/health & well-being Design a poster or make a volcano model. Make sure you include the features and label the important parts. 	Humanities Earthquakes and volcanoes are fascinating forces of nature. Why not research famous earthquakes and volcanic eruptions, and plot the locations on a map?	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/entrepreneurial skills Practise adding and subtracting either • Two 2-digit numbers • Two 3 digit numbers • Two amounts of money using £ and p Example layout $\begin{array}{r} 47 \\ + 76 \\ \hline 110 + 13 = 123 \end{array}$ $\begin{array}{r} 47 \\ + 76 \\ \hline 123 \end{array}$ $\begin{array}{r} 258 \\ + 87 \\ \hline 345 \end{array}$ $\begin{array}{r} £4.57 \\ - £2.35 \\ \hline £ \end{array}$
Expressive arts/health & well-being Design an earthquake proof house. How could you prevent the building from collapsing during an earthquake? 	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. Caldron - large circular, 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 at the top of a volcano. Dormant - volcano that has not erupted recently but is expected to erupt again. Extinct - volcano that has erupted recently and is not expected to erupt again. Lake - means 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 molten ash 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 volcanic material that are ejected in a pyroclastic eruption. 	Science & technology, health & well-being + language, literacy & communication 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.	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. 

Four purposes

Ambitious, capable
learners

Enterprising, creative
contributors

Ethical, informed
citizens

Healthy, confident
individuals



AMY

Amy

Amy believes that anybody can do anything if they work hard enough. And she's right!



CALLUM

Callum

Callum is so creative. Some of his ideas are a bit wacky, but they're the best ones!



RHIAN

Rhian

Rhian loves to talk, she's making new friends to help the Troopers get the support they need!



OWAIN

Owain

Owain is so organised, he makes sure everybody is busy and having a great time!