



Enforced School Closure Home Learning Project Ideas Year 4

Work based on the topic of Volcanoes. Week beginning 4th May.

Please ensure adult supervision when opening any You Tube links.

English

Write a description of a volcano. Here are a couple of links to volcanoes erupting that might inspire you <https://www.youtube.com/watch?v=R0Zbj7S22zs>, <https://www.youtube.com/watch?v=hyE2NO7HnU> How would you describe the lava? Rather than just saying it is red or orange, be creative; you could invent some new names like burnt orange or furnace red. Use some similes in your writing like 'the lava flowed slowly like honey.'

Geography.

Draw a cross section of a volcano, label the different parts and write why a volcano erupts. This video might help you

https://www.youtube.com/watch?v=0dVR_obFbQA&feature=emb_err_watch_on_yt

English poetry

Log onto Purple Mash and search for Volcano Poem. Complete the personification poem and share to your classes home learning share board.

****Personification** is when you pretend that the subject you are writing about is a real person. Imagine the Volcano is a person, maybe it is a sleepy person who wakes up and gets very angry.

English

Volcanoes are classified as **active**, **dormant** or **extinct**.

Start creating a dictionary of words related to volcanoes.

Add these three words and write what the words mean.

How many words can you add to your dictionary? Don't forget to write them in alphabetical order.

Art



Here is a piece of art by Margaret Godfrey. She is an artist who creates pictures of volcanoes using layers of tissue and glue.

Create a piece of art work about a volcano like Margaret Godfrey's work. You could use paint, chalk, natural materials, pencil crayons, or anything you have around the house.

Science

Look at how different gases are used in everyday life for heating, cooking, spraying, scuba diving, flying, swimming and so on

<https://www.bbc.co.uk/bitesize/clips/zmbygk7>

Can you name the gasses that are shown?

Your task:


Can you make the balloon inflate without using your breath?

Use the instructions and equipment suggested on the following page.

Questions

Answer the questions in full sentences in your home learning book.

What is making the balloon inflate? What happens if you dilute the vinegar even more? What happens if you make the water/vinegar solution strong? What can CO₂ be used for?

<p>English Read Chapter 1 of the Sleeping Volcano on Purple Mash and complete the activities.</p>	<p>Music https://www.entrustinteractivemusic.co.uk/yumu Visit Charanga Yumu for some music lessons. Usernames and passwords can be found on the school website: https://stnicholas-closure.weebly.com/whole-school-digital-resources.html</p>
<p>Special days May 8th is VE day. As you remember from your Autumn term topic, at the end of World War II people celebrated by having a street party. People had rationed food but still managed to share food at their parties to celebrate. Although we are not living through a war at the moment, there is rationing on certain foods and items that can be bought from the shops. Flour used to bake cakes is one of the items that is very difficult to get hold of. Can you research recipes for cakes or biscuits that do not use flour that you could bake for your own party?</p>	<p>PSHE and PE Sometimes we all feel scared, afraid or worried. All these feelings are ok and sometimes it's good to talk about these feelings. Dancing to music is a great way to help you feel less afraid or anxious. Dancing helps get rid of fear quickly and gives you lots of natural energy. You'll feel less stressed, less anxious, less tired and frustrated, more comfortable, more able to concentrate, you will sleep better and feel more positive. Plan and have a kitchen party, turn up the music and throw some crazy shapes, have some fun with your family. Go on no one is watching!</p>
<p>Maths</p>  <p>A tessellation is a combination of shapes that fit together perfectly without any gaps, much like a jigsaw puzzle. The result is a symmetric design of repeating patterns, which may feature animals, persons or anything else. Brick walls, tiled floors and the honeycomb pattern in bee hives are all tessellations. Some famous tessellations can also be found on historical buildings. Draw squares of the same size, either free hand or using measurements. Draw shapes in each box so the edges of the shape fit into each other. Outline with black felt tip pen. Now choose two contrasting colors and fill them in the shapes, alternating colors. Or shapes can be cut from a cereal box and used as a template to create a pattern without leaving any space.</p>	<p>Spellings Spelling Using the words from the Y3/4 word list – select up to 10 per week to focus on. Make sure you know what they mean. Choose an activity from 'making spellings memorable' to complete. (Minimum of around ten minutes daily)</p> <p>RE What kind of world would you like to see? Create a poster or leaflet. Half of it should show the way the world is, and in the other, the way you would like it to be. Explain why you want the world like this. Write ideas about actions people would need to take to make the world the way you want it to be. What actions are you willing to take to bring this kind of world about?</p> <p>Maths Log onto https://whiterosemaths.com/homelearning/year-4/ and complete the daily Maths activities.</p>

You could use Lego to create a tessalating pattern.

If you have a printer you could print these to colour.



<http://print.krokotak.com/q?q=escher>

French

Make a weather fortune teller in French.
Download the attachment French weather fortune teller.

Computing

Log into Purple Mash and search for 2Aminate.
Use the program to make a simple animation.
Could you make an animation about how a volcano erupts?

Have fun and try your best!

Don't forget to use your logins for: My Maths, TT Rockstars, Purple Mash

Blow-Up Balloon

Blow up a balloon without using your own breath



Grab this stuff:

- A** Small plastic bottle
- B** Vinegar
- C** Water
- D** Baking soda/bicarbonate of soda
- E** Balloon
- F** Teaspoon
- G** Funnel

Blow-up Balloon



Put a small amount of water in the bottom of the bottle, and then add the same amount of vinegar.



Using a funnel, half fill the balloon with baking soda (between $\frac{1}{2}$ and 1 teaspoonful should be enough).



Carefully place the balloon over the neck of the bottle and allow it to droop over to the side, making sure none of the baking soda falls into the bottle.



Now lift the end of the balloon and pour all the baking soda into the bottle. Shake well and place the bottle on a table. Watch the balloon inflate all by itself.