

Homework Challenges Autumn 2

Literacy

- Design a tourist leaflet encouraging people to visit Naples, Vesuvius and / or Pompeii.
- Write a newspaper report about a volcanic eruption in Pompeii including a headline, paragraphs, pictures and quotes.
- Research and present findings in your own words on the 'The Ring of Fire'.
- Log in to Spelling Shed and practise your spellings.

ICT

- * Make a PowerPoint about Bonfire Night.
- * Draw a picture on a device about Christmas.
- * Create a PowerPoint about earthquakes, tsunamis or volcanic eruptions.
- * Draw and label a diagram of a volcano.
- * Create a factsheet about a famous volcano.



Maths

- Write 5 subtraction problems and solve them using a method you are confident with. Challenge yourself by subtracting from three-digit numbers.
- Write 5 addition problems and solve them using column method. Challenge yourself by adding to three-digit numbers.
- Produce a bar chart of some of the most powerful earthquakes based on the Richter scale. Use a minimum of 5 eruptions.
- How many gifts in total were given on the 12th day on the 12 days of Christmas song? ($12 + 11 + 10... etc$)
- Log into Mathletics and complete an activity.

Science

- * Create your own mini compost bin
- * Make a collage of the three different types of rocks.
- * Look in your local area and collect different types of rock. Can you work out what types of rock they are?
- * Test how porous rock are with this easy experiment. Collect three different types of rocks. Try to find similar sized pieces of rock. Predict which rock will be the most porous (absorb the most water). Fill three clear cups with water and mark the water level with a pen. Place the rock samples in the water and leave for an hour. Take the rock samples out of the water and see which rock has absorbed the most water.

1. **Make a Christmas decoration** that would be easily seen at night when it's dark. Reflective material types such as foil would make good choices.
2. **Make your own sundial**. Set it up outside and write an explanation of how it works. Take a photograph/draw a picture of it outside, including it's shadow.
3. **Design a safety poster** showing how to be seen in the dark.
4. **Create a Volcano** out of recyclable resources.
5. **Create an Emergency Survival Kit** for people that live in areas where eruptions and earthquakes occur. What would you have in the kit?
6. **Make a 3D model of a typical Roman building** that you might find in Pompeii.
7. **Create an advice poster** outlining what to do should a volcano erupt.
8. **Log in to YUMU** and complete one of the activities set (glockenspiels or xylophones are needed for some tasks).

Creative