

Birch Hill Primary Home Learning Grid – Year 3 – Spring term 1 Topic: What's beneath our feet?

	1 point	2 points	3 points	4 points
Language & Communication - Speaking, listening, literacy, English and other languages	Draw and label the inside of a volcano. What does it look like inside/below the volcano?	Create a 5 sentence story to describe the 'life' of a volcano. Illustrate the story to add detail. First... (beginning) After that... (build up) Suddenly... (Problem) Then... (Resolution) Finally... (Ending)	Create a poem describing both the beautiful spectacle created when a volcano erupts and the darker destructive details that are left after the event.	Write a newspaper article reporting on a recent volcano eruption. Don't forget to include quotes from the local people.
Health & Wellbeing - Physical activity, food, Personal/ Social/Emotional development	Create a short video/dance/activity to show the formation and eruption of a volcano.	Go for a walk around the local area. Try to look for different rock forms - can you identify what different buildings have been made from?	Create a meal that could have been created/cooked inside of a volcano. Explain how each part of the meal is prepared so it is ready to eat.	Discuss how the volcanoes in areas such as Hawaii have both positive and negative effects on the local area/people/wildlife.
Humanities and Citizenship - History, Geography, RE, Cultural, visits	Locate the nearest volcano to Bracknell. Is it likely to affect us?	Some cultures believe volcanoes have spiritual powers. What have they been said to do/help with?	Is there a link between where volcanoes erupt and earthquakes originate? Show your findings.	Research a famous volcano, create a short piece of writing to describe the event.
Science and Technology - Science, DT, Eco issues	Create a display of different igneous, sedimentary and metamorphic rocks.	Find out 5 interesting facts about earthquakes on the internet. https://www.coolkidfacts.com/earthquakes-for-kids/ https://kids.nationalgeographic.com/science/article/earthquake https://www.ducksters.com/science/earthquakes.php	Create your own Japanese rock garden - this could be based on the design created in art lessons.	Make your own volcano model. It could even erupt!

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Creative Arts – Art, Design, Drama, Music, Dance	Do some online research of different jeweled designs use this as inspiration for designing your own piece of jewelry.	Design a pair of shoes suitable for rock climbing or bouldering.	Can you find out the differences between glam rock, heavy metal and punk rock?	Find out about the roots of rock and roll in the 1940s and 1950s that developed into rock music in the 1960s.
Math & Problem Solving – Math, Thinking Skills, Logic, Problem solving	Describe one of the rocks you have studied using the language of 2d shape and the language of angles. Are the angles smaller than, equal to or bigger than a right angle? Look for a rock that looks like a 3D mathematical shape. Which shapes are easier to find?	Rocks are used to build stone walls. A low wall is 3 rocks high. How many rocks do I need for a wall that is 8 rocks long? What if the wall is 4 rocks high? Or 8 rocks high? Investigate the number of rocks needed for different heights and lengths of wall. What if the rocks are arranged differently?	<p>I am choosing a ring with a diamond set into it. I have a choice of 4 different cuts of diamond: a point cut, a table cut, an old single cut and a Mazarin cut and 3 different settings: silver, gold and platinum. How many different rings could I have?</p> <p>Research the cuts on the internet and list which Mathematical shapes they use.</p>	<p>Crystals look like mathematical shapes. Have a go at drawing a fractal using mathematical shapes and fractions. Using squared paper, begin with a square that measures 16 squares by 16 squares. Mark points $\frac{1}{4}$ and $\frac{3}{4}$ of the way along each side. These points then are 2 corners of a square so you draw the full square as shown. The process is repeated on each side of those squares. You can continue to the next stage too. Investigate different fractions and shapes if you feel brave. (See below)</p>

Instructions

Your aim is to gain **15 points (or more)** before the end of half term. Try to choose your activities from a range of rows and columns. You must provide evidence of all the activities you choose, please send this in the week beginning **6th February 2023**. We look forward to seeing all of your wonderful work.
Have fun!