

Rocks, Rumbles and Relics

Curriculum Unit Overview

In the Rocks, Relics and Rumbles project, your child will learn about the different layers of the Earth, including plate tectonics and their potential effects on the Earth's surface. They will investigate different types of rock to learn about their uses and properties. They will also investigate soil and fossils, including learning about the work of Mary Anning. They will have the opportunity to use maps to learn about the lines of latitude and longitude and a compass to learn about the cardinal and intercardinal points. They will also learn about volcanoes, earthquakes and tsunamis and the long and short-term consequences that these can have.

As geographers we will:	As writers we will write:	Books we will read:
...learn about the features and characteristics of Earth's layers, including a detailed exploration of volcanic, tectonic and seismic activity.	Children will film and write their own mini Traction Man adventure. The written version will be illustrated and added to a class version of Traction Man.	Traction Man by Mini Grey The Firework-Maker's Daughter by Phillip Pulman

Computing	Reading Skills	Mathematics
<p>Touch typing Email Branching databases</p>	<p>Vocabulary Explain the meaning of words in context</p> <p>Inference Make inferences from the text</p> <p>Prediction Predict what might happen from evidence read or implied.</p> <p>Retrieval Retrieve and record key information from fiction and non-fiction texts.</p>	<p>Multiplication and Division Multiply & Divide 2-digits by 1-digit</p> <p>Length and Perimeter. Measure length and perimeter</p> <p>Fractions Compare and order fractions</p> <p>Mass Compare and measure mass and use scales</p> <p>Capacity & Volume Compare and measure capacity and volume</p>



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Physical Education	PSHE	Science
<p>Swimming Children learn to swim competently, confidently and proficiently over a distance of at least 25 metres.</p> <p>Gym Children continue to explore and improve their gymnastic skills on the floor and using a variety of apparatus.</p>	<p>Caring and responsibility Our responsibilities and ways we can care and show respect for others.</p> <p>Families and committed relationships Different types of committed relationships and the basic characteristics of these</p>	<p>Plant Nutrition and Reproduction This project teaches children about the requirements of plants for growth and survival. They describe the parts of flowering plants and relate structure to function, including the roots and stem for transporting water, leaves for making food and the flower for reproduction.</p>
Art & Design Technology	Music	Religious Education
<p>Beautiful Botanicals Beautiful Botanicals This project teaches children about the genre of botanical art. They create natural weavings, two-colour prints and beautiful and detailed botanical paintings of fruit.</p> <p>Mosaic Masters This project teaches children about the history of mosaics, before focusing on the colours, patterns and themes found in Roman mosaic. The children learn techniques to help them design and make a mosaic border tile.</p>	<p>Three Little Birds This is a six-week Unit of Work. All the learning is focused around one song: Three Little Birds. The material presents an integrated approach to music where games, elements of music (pulse, rhythm, pitch etc.), singing and playing instruments are all linked. Learning to sing, play and improvise.</p> <p>The dragon song This unit focuses on a song by Joanna Mangona and Pete Readman This is a song about kindness, respect, friendship, acceptance and happiness.</p>	<p>What do we know about Jesus? Children learn that representations of Jesus vary and to explore some of the reasons for this and find out what Jesus was like as a person from the Gospels.</p> <p>Jewish celebrations Children recap facts about Judaism and Jewish beliefs and find out about the Jewish festival of Passover and festival of Sukkot.</p>



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Home Learning Projects – these are some project ideas for you to enjoy at home with your child. All projects will be displayed in class.

<p>Create a model of the layers of the Earth using a range of materials. Label each layer and write a short description about each layer's features.</p>	<p>There are three main rock types. These are sedimentary, igneous and metamorphic. Briefly describe how each type is formed, their properties and at least two examples of each type.</p>	<p>Write a poem on the theme of volcanoes. You might like to write about an eruption, a specific volcano that you have learned about or the damage caused after a volcanic eruption. Try to include expanded noun phrases in your poem. For example, scorching hot, exploding lava or jet-black clouds.</p>
<p>Use a range of sources to complete a table about the three different rocks shown below. Include type, appearance, properties and uses. chalk granite slate</p>	<p>Make an information poster about Mary Anning, the famous fossil collector. Include images and interesting facts. Share your poster with a family member once it is complete.</p>	<p>Investigate the soil in your garden and local area. Dig a hole 10cm deep and scoop up a handful of soil from the bottom. Remove large stones and roots, sprinkle a little water on it and try to work the soil into a ball. Use the soil key to identify the soil type and record your results. Be careful of broken glass and wash your hands afterwards. These activities are for you to do at home. You can do all of them or choose the ones that you find most interesting. Squash the ball to try to flatten it. Does the ball break apart when squashed?</p>

KEY DATES & REMINDERS

<p>Parent workshop:</p> <p>Times tables</p>	<p>Weekly Homework</p> <p>Maths Flex TT Rockstars Boost reading</p>	<p>Reading Books</p> <p>Read Library Books daily Read Phonic Books</p>
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