

Rocks, Relics and Rumbles (Geography)

Year 3/4

Term: Spring

This project teaches children about the features and characteristics of Earth's layers, including a detailed exploration of volcanic, tectonic and seismic activity.

National Curriculum objectives & skills to be taught	
English Plan their writing by: discussing writing similar to that which they are planning to write in order to understand and learn from its structure, vocabulary and grammar discussing and recording ideas Draft and write by: composing and rehearsing sentences orally (including dialogue), progressively building a varied and rich vocabulary and an increasing range of sentence structures (See English Appendix 2) Organising paragraphs around a theme Evaluate and edit by: assessing the effectiveness of their own and others' writing and suggesting improvements proposing changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences Proofread for spelling and punctuation errors Read their own writing aloud, to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear.	Maths Y3 Recall and use multiplication and division facts for the 2, 3, 4, 5, 8 and 10 multiplication tables Read, write and count up to 100/1000 Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects. Y4 Recall multiplication & division facts up to 12×12 Use place value, known and derived facts to multiply and divide mentally Recognise and use factor pairs & commutativity in mental calculations Multiply two-digit and three-digit numbers by a one-digit number Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by 1 digit
Science Compare how things move on different surfaces. Notice that some forces need contact between 2 objects, but magnetic forces can act at a distance Observe how magnets attract or repel each other and attract some materials and not others. Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials. Describe magnets as having 2 poles. Predict whether 2 magnets will attract or repel each other, depending on which poles are facing.	Geography Describe and understand key aspects of physical geography, including: climate zones, biomes and vegetation belts, rivers, mountains, volcanoes and earthquakes, and the water cycle.
Art/DT Improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials. Create sketch books to record their observations and use them to review and revisit ideas. Select from and use a wider range of materials and components, including construction materials, textiles and ingredients, according to their functional properties and aesthetic qualities.	Computing Select, use and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems and content that accomplish given goals, including collecting, analysing, evaluating and presenting data and information.
PE Develop flexibility, strength, technique, control and balance. Perform dances using a range of movement patterns	Music Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.
RE Y3 Spring 1- How does festivals and worship show what matters to Muslims? Spring 2- How does festivals and family life show what matters to Jewish people? Y4 Spring 1 – What does it mean to be a Hindu in Britain? Spring 2 – Why do Christians call the day Jesus died 'Good Friday'?	