# Rocks, Relics and Rumbles

## Experience Day

- School Trip – Wildwood Trust: Stone Age Workshop
- In-school Immersive Day – Fossil Workshop

## ICT

- Scratch: Sequencing in programming

## History

- Significant People: Mary Anning

## Maths

- Multiplication and Division
  - Multiples of 2, 5 and 10
  - Multiply and divide by 3, 4 and 8

## PE

- Invasion Games: Hockey
  - Introduction to Hockey
  - How to Dribble
  - Passing and Receiving
- Gymnastics: Symmetry and Asymmetry
  - Exploring movements and balances

## Science

- What is a force?
- Frictional forces
- Measuring frication forces
- Exploring magnetic forces
- Use of magnets and friction

## RE

- Christianity:
  - Could Jesus really heal people? Were these miracles or is there some other explanation?
  - What is 'good' about Good Friday?

## Spanish

- Las formas (Shapes)
  - Recognise, recall and spell up to ten common shapes.

## Art

- Significant Artist: LS Lowry
- Drawing figures.
- Urban landscapes.

## English

**Class Text: The Firework-Maker's Daughter – Philip Pullman**

- Non-chronological Reports
- Poetry
- Newspaper Reports
- Diaries
- Word Classes
  - Adverbial, conjunction and preposition.
- Direct speech
- Inverted commas

## DT

- Healthy, balanced diets
- Using cooking appliances
- Planning and making a food recipe.

## Geography

- Layers of the Earth
- Types of rocks
- Fossils
- Plate tectonics
- Ring of Fire
- Features of volcanoes
- Latitude and longitude

## Music

- Learning an Instrument: Recorders

# Rocks, Relics and Rumbles

### Music
- Play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.

### Experience Day
- School Trip – Wildwood Trust: Stone Age Workshop
- In-school Immersive Day – Fossil Workshop

### RE
- Christianity: Miracles
- Christianity: Good Friday

### Science
- Explain that an object will not move unless a push or pull force is applied.
- Compare how objects move over surfaces made from different materials.
- Gather and record findings in a variety of ways (diagrams, tables, charts and graphs) with increasing accuracy.
- Investigate and compare a range of magnets.
- Compare and group materials based on their magnetic properties.

### DT
- Explain the importance and characteristics of a healthy, balanced diet.
- Prepare and cook a simple savoury dish.

### Art
- Draw, paint or sculpt a human figure in a variety of poses.
- Work in the style of a significant artist.
- Add tone to a drawing by using linear and cross-hatching, scumbling and stippling.

### Maths
- Consolidate mentally calculating mathematical statements for multiplication within the two and five times tables.
- Explore problems involving multiplying by three using knowledge of counting in threes.

### PE
- Play competitive games, and apply basic principles suitable for attacking and defending.
- Develop flexibility, strength, technique, control and balance.

### ICT
- Design, write and enter a sequence of instructions using a robot or other device to achieve specific outcomes, debugging if necessary.

### English
- Continue to use and identify expanded noun phrases, beginning to use some preposition phrases.
- Express time, place and cause using conjunctions, adverbs and prepositions.
- Use simple organisational devices in non-narrative writing.
- Identify the main point of each paragraph in a short text.
- Plan, discuss and record ideas in notes on a planning sheet, using similar writing to learn from its structure and vocabulary.
- Use taught punctuation and new punctuation (inverted commas).

### Geography
· Name and describe properties of the Earth's four layers.
Compare and group rocks based on their appearance, properties or uses.
Describe simply how fossils are formed.
Describe the activity of plate tectonics.
Name and locate significant volcanoes and plate boundaries and explain why they are important.

### History
- Devise or respond to historically valid questions about a significant historical figure and suggest or plan ways to answer them.

# Year 3 – Topic 2 – Rocks, Relics and Rumbles

**Key Enquiry Question: How does understanding the Earth's natural processes help us protect our planet?**

**Key Skills:**

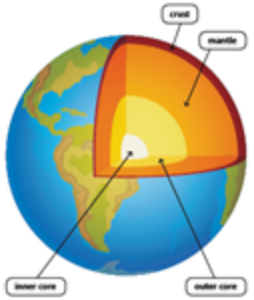
Identify different types of rocks and explain how they are formed.

Explain how fossils are formed and why they are so rare.

Learning about the structure of the earth and the importance of each layer.

Study some natural disasters.

**Prior Knowledge:** I understand that the earth is made of different layers and that there's a northern and southern hemisphere. That within the layers, different matter produce types of rocks and substances that are precious and that are useful for everyday uses.




**Key Information:** Earth is made up of four layers. These are the crust, mantle, outer core and inner core. The crust is a thin layer of rock on the surface that is broken into large pieces called tectonic plates.

There are three main types of rock in the Earth's crust. These are sedimentary, igneous and metamorphic. Sedimentary rocks are made from layers of mud and sand, called sediment, that have settled in water and have been squashed over a long time to form rock. Igneous rocks are made from cooled magma or lava. Metamorphic rocks are formed when existing rocks are changed by heat and pressure.

Mary Anning was an English fossil collector. She lived in Lyme Regis in Dorset, in an area now known as the Jurassic Coast. Mary had little formal education but was taught fossil hunting by her father. She made many important fossil discoveries during her lifetime, including an *Ichthyosaur* fossil in 1811.

**Key Vocabulary:**

| | Word | Definition |
|---|---|---|
| 1 | erode | Be gradually worn away. |
| 2 | lava | Hot, molten rock that comes out of a volcano. |
| 3 | molten | Metal or rock that is in a liquid state because of great heat. |
| 4 | Tectonic plate | A large, slow-moving piece of rock the makes up the Earth's crust. |
| 5 | vent | An opening in the Earth's crust through which lava escapes. |
| 6 | Volcanic eruption | The sudden and violent explosion of lava, gas, ash and rock out of a volcano. |