

Y3/4 Curriculum Information – Spring 2023



Rocks, Relics and Rumbles

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.

Suggested text	<u>The Firework-Maker's Daughter</u> – Philip Pullman
Memorable experience	Let's rock!
Innovate challenge	Red alert!
Geography	Layers of the Earth; Rocks; Plate tectonics; Ring of Fire; Features of volcanoes; Lines of latitude and longitude; Volcanic eruptions; Earthquakes and tsunamis; Compass points; Maps
English	Narrative - Warning tale, Focus: dialogue and action Non-chronological reports Haiku poetry Newspaper reports Diaries
Science	Rocks; Fossils; Soils
Science investigations	How do fossils form? What is sand? What is soil?

Forces and Magnets



This is a companion project to [Rocks, Relics and Rumbles](#)

In the Forces and Magnets project, your child will learn what forces are and what they do. They will learn about pushing and pulling forces and sort different actions into pushes and pulls. They will

identify and explain contact forces. They will learn about and investigate frictional forces. They will use force meters to measure the forces needed to carry out everyday tasks and record their measurements. They will learn about magnetism (a non-contact force) and explore bar magnets. They will find out about magnetic attraction, repulsion and magnetic fields. They will test the magnetic properties of different objects. They will learn about the magnetism of the Earth and how this enables compasses to work. They will use this knowledge to make compasses. They will learn about the uses of friction and magnetism and carry out research. They will use different methods to investigate the strength of magnets.

Innovate
challenge

Let's investigate focus: Observing, measuring and recording

Science

Pushing and pulling forces; Contact forces; Friction; Force meters; Bar charts; Non-contact forces; Magnetism; Magnetic attraction and repulsion; Magnetic fields; Magnetic properties; Magnetic Earth; Uses of friction and magnetism; Working scientifically – Identifying and classifying, Pattern seeking, Comparative tests, Research



Making It Move

This is a companion project to [Rocks, Relics and Rumbles](#). This project teaches children about cam mechanisms. They experiment with different shaped cams before designing, making and evaluating a child's automaton toy.



Ammonite

This is a companion project to [Rocks, Relics and Rumbles](#). This project teaches children about artistic techniques used in sketching, printmaking and sculpture.



People and Places

This is a companion project to [Rocks, Relics and Rumbles](#). This project teaches children about the genre of figure drawing. They study the figure drawings and urban landscapes of the artist LS Lowry and create artwork in his style to show scenes from their school.

Maths

Year 3/4 White Rose Hub maths – the year groups will be taught separately for maths to maximise teaching and learning for the mathematics objectives.

Computing

Coding- 2D shape debugging; Decomposition Unplugged

Design and technology

[Making It Move]- Cam mechanisms; Designing and making automaton toys; Cutting, joining, strengthening and finishing

History

Significant people – Mary Anning; Pompeii

Music (Charanga)

Graphic scores

Personal, social and health education (Kapow)

Spring 1 Health and Wellbeing

Spring 2 Safety and The Changing Body

Physical education (PE Hub)

Spring 1 Gymnastics (Unit 2) Football

Spring 2 Badminton & Tennis

Religious education

Spring 1 L2.4 Why do people pray?

Spring 2 Easter - Hope and Despair

Languages (Kapow)

Daily Life - Spring 1 Playground games - numbers and age

Spring 2 In a French classroom

We are really excited about all of the teaching and learning taking place this term. If you have any questions about any of the curriculum content, please do not hesitate to contact your class teacher.

Thank you, The Year 3/4 Team