

# Awesome Earth Year 5 Autumn Term



## Key Area of Learning – Geography

### Geography

The children will learn about the power of nature. They will learn about how volcanoes and earthquakes are associated with the moving tectonic plates. They will use maps to locate the parts of the world which form the 'ring of fire' and compare this to a map of tectonic plates. They will investigate the ways in which natural disasters have destroyed environments and impacted on communities. Children will be able to explain the features of volcanoes and describe the process of eruption in detail. They will understand that earthquakes are caused by movement in tectonic plates and will describe the impact and devastation caused to human settlements as a result of an earthquake. The children will go on to look at how human activity can impact on the world we live in. They will look at a range of environmental issues and, through human geography, will look at the impact these disasters have on the people living in the areas, the emergency aid provision and how people survive when natural disasters strike.

### English

We will expand on key grammar concepts in our unit, "The Place Value of Punctuation and Grammar." Pupils will explore abstract nouns alongside common, proper, collective, and partitive nouns. They will also focus on a wider range of verbs, including being verbs, regular and irregular action verbs, and phrasal verbs. As they build their sentence-writing skills, pupils will move from single clauses to more complex structures, using coordinating and subordinating conjunctions to create compound and complex sentences. This progression will help them improve their sentence variety and overall writing fluency. We will explore the key features of non-chronological reports and apply what we've learned by writing our own, incorporating the punctuation, grammar, and structural features taught.

### Mathematics

In Maths we will focus on:

- Place Value including reading, writing, ordering and comparing numbers to 1 000 000. Reading Roman numerals to 1000. Rounding numbers up to the nearest 100 000.
- Addition and Subtraction of more than four digits including formal written methods. Solve multi-step problems in context.
- Multiplication and Division including multiples, factors, prime numbers, square numbers and cube numbers.
- Fractions: Recognise mixed numbers and improper fractions and be able to convert between them.
- Measurement: Measure and calculate the perimeter and area of composite shapes
- Statistics: Completing, reading and interpreting data in tables and timetables.

### Science

**Forces.** We will look at the forces of gravity, air resistance, water resistance and friction. We will explore how different mechanisms; pulleys, gears and levers effect movement.

**Earth and Space.** We will find out about the Sun, Moon and Earth and develop an understanding of day and night and the moon's phases.

### Art

**Working with colour.** We will become familiar with the artwork of Stephanie Peters and investigate how she creates different effects. We will mix and match colours to create atmosphere and light effects. We will experiment with applying acrylic paints using a variety of tools to create different textures and finishes in our own Awesome Earth compositions. We will also look at 'The Great Wave' by Hokusai and recreate using acrylics.

### DT

#### Mechanical Systems: Making a slingshot car

Pupils will work independently to produce an accurate, functioning car chassis, designing a suitable shape that reduces air resistance through the design of the shape. They will produce panels that will fit the chassis and can be assembled effectively using the tabs they have designed. Using suitable tools and techniques, they will construct car bodies effectively and conduct a trial accurately and draw conclusions and improvements from the results.

#### Cooking & nutrition throughout the year

### Computing

**Systems and searching** We will recognise IT systems in the world and how some can enable searching on the internet. **Video production** We will plan, capture, and edit a video to produce a short film. **Online Safety** We will focus on the following strands: copyright and ownership; online relationships; managing online information; self-image and identity.

### PSHE

**Being me in My World.** We will compare our lives with those of others and explain why we have rights, responsibilities and rules. Explain how actions of one person can affect another person.

**Celebrating Difference** Explain the differences between direct and indirect types of bullying; Explain why racism and other forms of discrimination are unkind.

### Music

#### What Shall we do with the Drunken Sailor?

As well as providing an opportunity to find out more about the context, history, and purpose of sea shanties as work songs, the activities in this unit provide inspiration for pupils to create rhythm games and a class arrangement using voices and instruments.

### PE

**Netball.** Pupils will develop defending and attacking play during even-sided 5-a-side netball. Pupils will learn to use a range of different passes to keep possession and attack towards a goal. Pupils also develop their understanding of the importance of fair play and honesty while self-managing games.

**Dance** Pupils learn different styles of dance, working individually, as a pair and in small groups. Pupils will think about how to use movement to explore and communicate ideas and issues, and their own feelings and thoughts.

### RE

In RE we will explore the following key questions:

- What does it mean if Christians believe God is loving and holy? (God)
- What does it mean to be a Muslim in Britain today? (Islam)

### French

Recap learning for Year 4 linking from the topic 'Presenting myself'

**What is the Date?** Reinforces children's knowledge of the months of the year, enables children to say the date and ask and say when someone has a birthday.

