

# Class 4

# Autumn 2024

Curriculum

# Class 4 - Year B

## Autumn Term

### Science

#### **Forces**

Identify the effects of gravity, air resistance, water resistance and friction that act between moving surfaces. Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect.

#### **Light**

Understand how light travels and how we see things. Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.

### Computing

**Online safety** - sharing digital content knowingly and safely, online responsibility to self and others, why we need secure passwords, referencing sources and validating reliability. Safety with mobile devices, knowing our digital footprint, what is 'healthy' screen time?

#### **Coding efficiently**

#### **Blogging**

### PE

Health Related Exercise: Children will assess their fitness, explore activities to increase fitness and evaluate the impact on their bodies.

Dance: Linked to the visiting circus, children will explore movement on the theme of 'Circus'

Invasion Games

### English

We will continue to develop our reading and writing skills using the following genres and stimuli:

**Narrative** - Wisp by Z Fraillon and Graham Baker Smith

**Formal Letter** - Suffragettes : The Battle for equality by David Roberts, Fantastically Great Women who changed the World

**Exposition - Field guidebook** -Arthur Spiderwick's Field Guide to the Fantastical World Around You by Tony DiTerlizzi and Holly Black

### Geography:

#### **Exploring the geography of the UK**

Identify countries, counties and cities of the UK. Identify topographical features of the UK. Identifying physical and human features of places. Identify geographical regions and their characteristics.

### RE

#### **Kingdom of God - What kind of King is Jesus?**

Jesus told many parables about the Kingdom of God. The parables suggest that there will be a future kingdom, where God's reign will be complete. Many Christians try to extend the Kingdom of God by challenging unjust social structures in their locality and in the world.

#### **Hinduism - Brahman.**

How do questions about Brahman and atman influence the way a Hindu lives?

### Music

#### **'Sing Up'**

'Hey Mr Miller'

Shadows

Composing for protest.

### PHSE

**Relationships.** How can friends communicate safely in different situations and online?

### History:

#### **How successful was the Suffragette**

#### **Movement?**

Develop the appropriate use of historical terms; Understand how knowledge of the past is constructed from a range of sources; Describe / make links between main events, situations and changes within and across different periods/societies

### Design & Technology

**Textiles** Which materials are ideal for creating an eye-catching banner?

#### **Food and Nutrition**

What makes an appealing and healthy Christmas cookie?

### Art & Design

#### **Activism**

Introduce the idea that artists can use their skill to speak on behalf of their communities.

Faith Ringgold, Shepard Fairey

### Maths

**Number:** place value

**Four operations:**

-addition & subtraction, multiplication and division

**Number:** fractions & decimals

**Geometry:** shape

**Measurement:** perimeter, area & volume

Reading

Phonics

Spelling

Collective Worship