



Respect Resilience Responsibility

# Curriculum Information for Year 6—Autumn 2021

## This term we will...

### Maths:

#### Learn how to:

- Calculate intervals across 0 using negative numbers.
- Read, write, order and compare numbers to 10,000,000.
- Add and subtract using whole/decimal numbers.
- x multi-digit numbers, including decimals, by a two digit number.
- ÷ multi-digit numbers by a two digit number.
- Use BODMAS to calculate.
- x and ÷ decimals with up to three decimal places by 10, 100, 1000.
- Use x facts to derive new facts including decimals.

We will focus on using mental and written methods to solve calculations, reason and problem-solve about numbers. We will then move onto to study fractions, decimals and percentages.

### Science: Light and Electricity

#### Learn that:

- Light appears to travel in straight lines.
- Light is made up of a spectrum of colours that can be observed by refracting light through a prism.
- We can observe objects because light that they emit or reflect travels in straight lines into our eye.
- The brightness of a lamp or volume of a buzzer can be changed in a circuit by changing the number of cells.

#### Learn how to:

- Draw light diagrams that show how light travels from a light source or object to our eyes.
- Recognise and use symbols in circuit diagrams.

#### Design:

- Circuits with specific purposes and explain how they would work.

### English:

#### Learn how to:

Write to entertain and persuade working on the following texts and skills:

- Poetry—read, write and perform a variety of poems, concentrating on the authors/poets' use of figurative language, punctuation and descriptive techniques.
- Descriptive Writing—further develop their use of descriptive and figurative techniques to create characters/settings of their own.
- Persuasive texts—further develop their use of techniques to persuade the reader to visit a range of different tourist attractions and destinations.
- Grammar—main and subordinate clauses, relative clauses, expanded noun phrases, adverbials, use of colons, subjects and verbs, types of sentences.
- Spelling— alternative spelling patterns for 'shun' and 'shus' sounds e.g. tion/sion/cian, cious/tious.

#### Reading

- The children will read texts as a whole class and practise using various comprehension skills such as inference, deduction, summarising, predicting and retrieval. They will use Reading Plus to regularly practise these skills individually and increase fluency, stamina and vocabulary.

### Computing:

#### Learn how to:

Keep safe on the internet, with a focus on:

- describing and assessing the benefits and the potential risks of sharing information online.
- assessing and justifying when it is acceptable to use the work of others.
- giving examples of content that is permitted to be reused.

Use programs to:

- create a 3D model for a given purpose.

### P.E.

#### **Learn:**

- Indoor athletics skills—practising and improving running, throwing and jumping skills.
- Tag-Rugby —practising, improving and refining passing and running skills; solving-problems; teamwork, co-operation, honesty and fairness .

### Art/DT

#### **Learn how to:**

- Drawing portraits—draw enlarged images and scale to create abstract forms, include detail, and draw features in proportion.
- Painting and Collage—draw the contour lines of 3D objects in a still life composition, know what is meant by viewpoint ,and understand how to change the tint and tone of a colour by adding white or grey.
- Electrical systems—construct simple electrical circuits and name the components.
- Use recognised symbols when designing a simple circuit.

### Music

- **Listen** to different styles of music and begin to talk about it using musical language.
- **Perform** as a group and be able to provide simple accompaniment.
- **Learn** about the music of a range of different historically important artists.

### R.E.

- **Learn** facts about Buddhism- origins, who Buddha was.
- **Understand** particular aspects of Buddhism—the Four Noble Truths, Eightfold Path, Enlightenment, Karma, Wheel of Light, Meditation.
- **Know** the key events in Buddha’s life.

### History

#### **Learn about:**

- An aspect or theme in British history that extends pupils’ chronological knowledge beyond 1066.
- The role that Caribbean men and women played in World War 2.
- The Windrush pioneers and their struggles and successes.
- The positive impact that the Windrush generation had on Britain post World War 2.

### Geography

- Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom (Lake District), a region in a European country (Tatra mountains in Poland), and a region within North or South America (the Caribbean—Jamaica).

### French

- **Use** words to describe the classroom.
- **Discuss** likes and dislikes.
- **Talk** about hobbies and activities.
- **Say** what colours of different objects.

### P.S.H.E.

- **Understand** why we have rules.
- **Learn** about rights and responsibilities.
- **Look** at moral and cultural issues and use imagination to understand people’s experiences.
- **Look** at how we can resolve differences by looking at solutions.