



Respect Resilience Responsibility

# Curriculum Information for Year 6—Summer 2024

## This term we will...

### Maths:

#### Learn how to:

- Solve problems involving ratio and proportion.
- Convert between metric measures e.g. kg and g, ml and l.
- Calculate perimeters and areas of regular shapes, using formula.
- Draw and measure angles using a protractor, and construct shapes.
- Locate points in all 4 quadrants of a co-ordinate grid.
- Interpret and use formulae to solve problems including algebraic formula.
- Interpret and construct a range of graphs, charts and tables including line graphs.
- Find the mean of a set of data.

We will continue to focus on using mental and written methods to solve calculations, reason and problem-solve about numbers. We will also solve calculations involving fractions, decimals and percentages.

### Science: Animals including humans

#### Continue to 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 heart circulates blood around the body as part of the circulatory system.
- Blood transports vital nutrients and oxygen around the body and takes waste products away.

#### Learn how to:

- Keep healthy through exercise, diet and life-style choices.

#### Design:

- A healthy menu as part of a balanced diet and life-style.

### English:

#### Writing

##### Learn how to:

Write to entertain and discuss, working on the following texts and skills:

- Balanced arguments—group and structure information within paragraphs for clarity and coherence.
- Descriptions of settings—further develop their use of a range of sentences, and descriptive and figurative techniques to add detail to their writing and create vivid descriptions.
- Writing to persuade—use a variety of sentence structures and persuasive techniques in their writing
- Grammar—main and subordinate clauses, relative clauses, expanded noun phrases, adverbials, use of colons, subjects and verbs, types of sentences, word classes e.g. nouns/verbs/adjectives/adverbs.
- Spelling— revision of key spelling patterns from the Year 5 and 6 English curriculum.

#### Reading

##### Learn how to:

- use various comprehension skills such as inference, deduction, summarising, predicting and retrieval.

### Computing:

#### Learn how to:

- design, write and debug programs that accomplish specific goals.
- use sequence, selection and repetition in programs.
- use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs .

### P.E.

- Outdoor athletics skills—practise and improve running, throwing and jumping skills.
- Hockey—practise and improve dribbling, passing and shooting skills
- Orienteering—read and orientate maps correctly; work as a team by using co-operation, honesty and fairness; and navigate their way around a familiar setting by using a map.

### Art/DT

#### Learn how to:

- Plan and develop ideas based on those of other artists.
- Create a variety of visual effects using different media.
- Discuss and evaluate our own work and that of other artists.

#### Continue to learn how to:

- Structures—test the strength of spaghetti and then apply what they have learned to construct a tower that is at least one metre tall.

### 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:

- How and why some religious people inspire others.
- What different religions believe about life after death.

### History

#### Continue to 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

#### Continue to:

- **Describe** and understand key aspects of physical geography including: mountains, volcanoes and earthquakes.
- **Understand** how physical features affect the way people live their lives, e.g. volcanoes, mountain ranges.
- **Use** maps, atlases, globes and computer mapping to locate countries and describe features.

### French

- **Revise** counting to 21.
- **Say** the days of the week and months of the year.
- **Discuss** when their birthdays are and how old they are.

### P.S.H.E.

#### Learn:

- About the effects of different drugs, both legal and illegal.
- How to prepare for the transition to secondary school e.g. packing bags, completing homework, understanding timetables.

We will also cover the next part of the school's RSE curriculum including sexual reproduction.