



Year 6 Autumn Curriculum

Introduction

Year 6 is an exciting and important year in your child's primary journey. As the oldest pupils in the school, they take on new responsibilities and act as role models for younger children. It is a year that brings both challenge and opportunity, from preparing for the end of Key Stage 2 SATs to developing greater independence and confidence. A highlight of the year is our residential trip to Bristol, where children experience learning beyond the classroom and create lasting memories with their friends. Above all, Year 6 is a special time to celebrate achievements and prepare for the exciting transition to secondary school.



Maths



This term, children will deepen their understanding of number and calculation. They will work confidently with numbers up to ten million, rounding, ordering, and exploring negative numbers. In the four operations, pupils will secure their skills in addition, subtraction, multiplication and division, including long division, factors, multiples, and prime, square and cube numbers. Fractions will be a major focus: simplifying, comparing, adding, subtracting, multiplying and dividing, and applying these skills to problem solving. Finally, in geometry, children will plot coordinates in all four quadrants and use them to translate and reflect shapes.

Literacy



Pupils will explore and produce extended writing across a range of genre – a first person narrative and a formal letter linked to our class text Wonder; a scientific report for a newsletter; an Egyptian guide to mummification and a poem using the poetry skills acquired through primary school. They will learn how to draft, re-draft and edit.



Science

Digging into the Past

In our Evolution and Inheritance unit, children will explore how living things have changed over time, learn how fossils give us clues about the past, and investigate how animals and plants adapt to their environments. They will consider how adaptations can lead to evolution, asking scientific questions and drawing conclusions along the way.

Powering Up

In Electricity, children will build and test circuits, exploring how voltage affects the brightness of bulbs and the volume of buzzers. They will learn how to represent circuits using scientific symbols and develop their enquiry skills through hands-on investigations.

Egyptians

Children are independently able to link cause and effect through chronology. Children are given sources from the time period and use them to compare and contrast locations during a period of time to answer the question "Where would you have rather lived?". Children use sources to compare the lives of Egyptians and British settlers.

Geography

Mountains

Children will learn what mountains are and how they are formed, building on their knowledge of rivers from Year 5. Using maps, they will locate and compare mountain ranges across the world, studying key features and exploring different types such as fold, fault block and dome mountains. They will also compare the UK's highest peaks with the mighty Andes in South America.

Design

Technology

Bridges

Children will explore structural engineering through the study of bridges, learning how forces and joining techniques are used to strengthen and reinforce designs. They will put this into practice by creating their own bridge structures. On the Bristol residential, pupils will visit the Clifton Suspension Bridge and explore the original design proposals at the visitor centre.



Computing

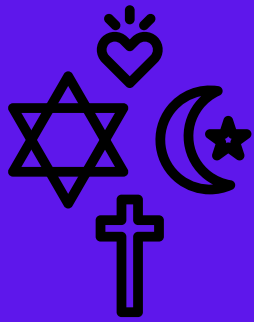
Pupils step into the role of theme park managers and use spreadsheets to make important business decisions. They collect and organise data of rides, ticket prices and visitor numbers and use calculations to work out costs, revenue and profits. Pupils explore 3D digital worlds in Kodu, designing terrain, objects, and characters. They plan, build, and refine their worlds, developing creativity, spatial awareness, and digital design skills in preparation for game coding.

History



Children will explore themes around Being Me in My World, where they will look at global citizenship, universal rights, democracy, choices, consequences and rewards and role models. They will celebrate difference by understanding disability, inclusion and exclusion and empathy.

In RHE, pupils will study the physical and emotional changes of puberty, including hygiene, relationships, my changing body and managing conflicts.



RE

Humanism

Children will explore how inspirational people impact on how Humanists live today?

Humanist role models and how they impact on actions a Humanist might take.

Christianity

Children will look ask do Christian celebrations and traditions help Christians understand who Jesus was and why he was born? They will look at how celebrations today do or do not directly relate to the birth of Jesus as the basis of Christmas.

ART



Children will explore the work of Banksy and consider how street art can express social, political and cultural ideas. They will debate whether street art should be seen as “real” art, before designing and creating their own stencil artwork to reflect a personal viewpoint. On the Bristol residential, visit some of Banksy’s most famous pieces.

How to help at home

- Download the school knowledge organisers for each unit

Visits

- Natural History Museum London (Fossils & Evolution)
- Booth Museum of Natural History Brighton (Fossils)
- [Street Art in Brighton](#)
- [Supergraphic street art trail](#) Newhaven