

### Science Electricity

Children will identify common appliances that run on electricity.  
They will construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.  
They will identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.  
Children will recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.  
They will recognise some common conductors and insulators, and associate metals with being good conductors.

#### Working scientifically

Children will ask relevant questions and using different types of scientific enquiries to answer them.  
They will set up simple practical enquiries, comparative and fair tests.  
They will make systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.

### Physical Education Games – Indoor Athletics Gymnastics – Balance leading into change of direction

Children will play competitive games, modified where appropriate and apply basic principles suitable for attacking and defending. Compare their performances with previous ones and demonstrate improvement to achieve their personal best. They will develop flexibility, strength, technique, control and balance.

### Computing Programming and games

In this unit children will understand that simulations are programmed to allow choices.  
They will use algorithms to design a step by step process for writing computing programs.  
They will understand programmes can be saved as a procedure and will develop a computing program using decomposition.  
They will be aware how to be safe online and will understand and practise how to be safe when using simulation technology.  
They will understand the importance of reviewing work and will discuss their procedures and develop a programme that is following a sequence.

## SPRING 1 Year 4



### English

**Vocabulary Building – Performance poetry** – the children will focus on their speaking and listening skills.

**Writing and Performing a Play** – the children will write a play linking it to their History (Vikings) and perform it to the other year 4 class, providing feedback to one another.

**Discussion** – the children will imitate, plan and write a discussion on Alfred the Great. Year 4 will also have lessons on grammar.

### PSHE & Citizenship Growing and Changing

Children will know how to look after their own body including the teeth.  
They will understand how to keep themselves clean.  
They will know that bacteria and viruses can affect health and that transmission may be reduced when simple, safe routines are followed.  
Children will understand how their body is growing and changing.  
They will know about menstruation and how to cope with periods in school.  
They will be aware of differences between males and females.  
Children will begin to develop an understanding of how perceptions of being grown up are formed.  
They will understand a range of ways growing up will affect your relationship with siblings, and parents, e.g. more responsibilities, the need for privacy etc.

### History – Vikings

Children will use evidence to ask and answer questions about Vikings.  
Children will use observations and research to learn about Viking ships.  
Children will understand why people have different views of the Vikings.  
Children will explore how artefacts have changed our views of the Vikings.  
Children will locate places with different Viking endings on maps.

### Maths

Children will compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.  
Children will identify lines of symmetry in 2-D shapes presented in different orientations.  
Children will count up and down in hundredths; recognise that hundredths arise when dividing an object by a hundred and dividing tenths by ten  
Children will round decimals with one decimal place to the nearest whole number.  
Children will compare numbers with the same number of decimal places up to two decimal places.  
Children will recognise and write decimal equivalents to  $1/4$ ;  $1/2$ ;  $3/4$ .  
Children will add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate  
Children will estimate and use inverse operations to check answers to a calculation  
Children will estimate, compare and calculate different measures, including money in pounds and pence.  
Children will solve simple measure and money problems involving fractions and decimals to two decimal places.

### French En Classe

In this unit the children will learn how to:

- Recognise and repeat from memory simple classroom objects and use the correct gender.
- Say what they have and do not have in their pencil case.
- Recognise and respond to simple classroom commands and praise

### Religious Education Christianity and Sikhism what it means to belong to a religion

Children will learn about stories of the lives of key religious people, the significance of these in their own lives and in the lives of believers today.  
They will learn about the significance of their own religious, cultural and family traditions and how these relate to the experiences of others.  
The children will know that there are important landmarks in life, both religious and non religious.  
They will understand what it means to belong to groups and how believers demonstrate commitment to a faith group.  
They will learn about the significance of religious festivals and how important traditions are celebrated in different faiths.  
The children will understand the importance of symbols and prayer and how and why they are used in places of worship.

### Music

Children will play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression.  
Children will improvise and compose music for a range of purposes using the inter-related dimensions of music.  
Children listen with attention to detail and recall sounds with increasing aural memory.  
Children will use and understand staff and other musical notations.

### Art

#### Ruth Kedar – Google Logo

Children will use sketch books to record observations and use them to review and revisit ideas.  
They will improve their mastery of art techniques, including drawing and painting with a range of materials including printing techniques.  
They will learn about Ruth Kedar (developed Google logo).