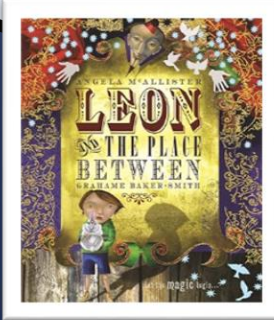
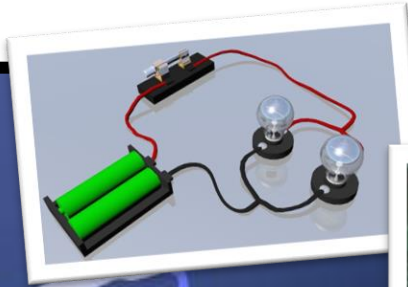


## Key Questions

- 1) What are the danger of working with electricity and what precautions should we take?
- 2) What things around me run on electricity and how are they powered?
- 3) Which materials conduct and which insulate? Why are wires made of metal and safety gloves made of rubber?
- 4) How does a light switch work?
- 5) Why do some places have limited access to electricity and how does this affect the lives of the people who live there?



## Class Book

*The Wild Robot* by Peter Brown

# Electricity

## Science

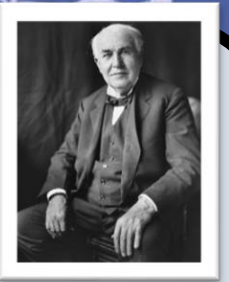
Year 4 will begin by identifying common appliances that run on electricity, distinguishing between those that use mains power and those that are battery-operated.

They will then construct simple series circuits and learn to identify and name the key components, including cells, wires, bulbs, switches, and buzzers.

Through hands-on investigation, the children will test whether or not a lamp will light in a simple series circuit, recognizing the role of a switch in opening and closing the circuit to control the lamp.

Additionally, they will explore common conductors and insulators, observing that metals are often effective conductors of electricity.

## Class Scientist Thomas Edison



## English

Year 4 will explore their grammar and writing skills through the story *Leon and the Place Between* by Angela McAllister.

They will produce a range of writing pieces, including a character and setting description, a first-person recount, and a diary entry.

Additionally, the children will learn how to expand sentences using a range of conjunctions, identify the difference between plural and possessive apostrophes and continue to build a varied and rich vocabulary. During Reading sessions, Year 4 will continue to explore a range of texts and types of questions.

## Jigsaw

- Judging by appearances
- Understanding influences
- Understanding Bullying
- Problem Solving
- Special Me
- Celebrating how we look.

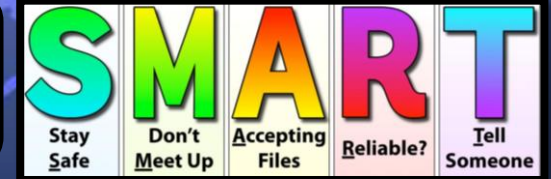


Music: Singing  
Learning and performing Christmas songs.

Spanish  
Describing Dragons

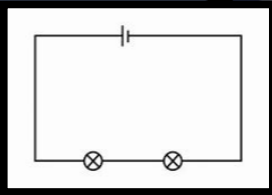
Religion  
Buddhism: What does it mean to follow the Buddha?

Computing  
Online Safety



## Design and Technology

Create a Christmas Card using an electrical circuit.  
Evaluate existing products, generate ideas, plan with diagrams, create a product.



History  
Year 4 will continue to explore *Roman Britain*.

PE  
Dance

## Geography – Local Area: What needs changing?

Year 4 will conduct fieldwork by gathering and recording data while following safety guidelines. They will analyse and interpret the data they collected and use their findings to develop thoughtful suggestions for improvements within the local area. The children will also explore maps of their local area, using them to identify both natural and man-made features.

## Children's Rights

Article 17: You have the right to her information that is suitable and beneficial for you?



## SDG number 11

SDG 11 aims to make cities inclusive, safe, resilient, and sustainable.



# Electricity

## Maths

At the start of this half term, the pupils will learn how to multiply and divide by 6, 7, 9, 11 and 12. They will learn how to calculate multiplication equations using the multiplication facts that they know. They will understand the difference between sharing and grouping and they will understand the commutative law in multiplication.

During the second half of the term, Year 4 will further develop their understanding of multiplication and division.

They will learn how to divide and multiply by 1 and 0.

They will learn how to multiply three numbers together using prior knowledge of multiplication tables. Pupils will use their tables and knowledge of place value to multiply multiples of 10, leading to the multiplication of 2-digit numbers using short multiplication.

They will use their knowledge of multiplying multiples of 10 when multiplying multiples of 100, leading to multiplying 3-digit numbers using short multiplication.

Pupils will learn more about division and will divide 2-digit numbers using two methods, including numbers with remainders. They will learn to solve multiplication and division problems using the methods they have learned and will use bar models to visualise what the problem is asking them to do.

# Electricity

