



St. Anne's Catholic Primary School

Year 6 Knowledge Organiser

'We are Scientists'

"Loving God In All We Do."



The 'We Are Scientists' topic is about...

In Science children will associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit. They will also compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches.

In English children will understand detective fiction, looking at classic stories and characters such as Sherlock Holmes. They will also read and explore a range of modern detective stories.

They will also look at the features of an explanation text, aiming to write effective explanations for a variety of inventions.

What we already know...

- electricity can travel through water and the human body
- metal conducts electricity
- positive and negative sides to a battery
- electricity is measured in watts
- electricity has many different uses and can be used in many different ways

By the end of the topic this term we will know:

Pupils will identify patterns in results collected and describe them using the change and measure variables (e.g. as we increased the number of batteries the brightness the bulb increased).

Children will research how scientific ideas have developed over time and had an impact on our lives. They will recognise which secondary sources will be most useful to research their ideas and begin to separate opinion from fact.

Vocabulary

RE

witness, Holy Spirit, witnesses, martyrs, courage, truth, inspiration, Good News

Science

Electricity, electrical circuit, voltage, pulses, batteries, appliances, indicator, lamp, bulb, closed, open, switches, cell, battery, electrons, current, amp, voltage, resistance, symbol



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Wider curriculum learning

In **Geography** children will study the locality of the Lake District and use mapping skills to find out information.

In **Computing** children will learn how to code, using software to create their own games. In **Music** children will use appropriate Italian vocabulary.

In **French** children will become increasingly fluent in communicating conversationally and will begin to write about a variety of subjects, more independently.

In **PE** pupils will select and use appropriate tactics for a variety of invasion games.

We are going to read a range of texts from

We will be reading a range of detective fiction, exploring the LoveReading4Kids website.

They will also have a chance to read a variety of explanation text examples.



Let's try this at home

Create a 'detective fiction' themed cartoon strip, with your choice of settings and characters.

Write a poem based on the theme 'mystery'.

Create a new invention which would make life at home easier, and explain verbally how it would work.

Key dates for this half-term

Term dates: Monday, 17th April—Friday, 26th May

Bank Holidays: Monday 1st May and Monday 8th May

Open Classroom Celebration: Wednesday, 17th May 3.30-5pm

Walk to School Week: Monday, 15th —Friday, 19th May

Whole School First Aid Day: Friday, 26th May

PE Days: Wednesday and Friday

Homework: Friday to be completed by the following Wednesday