

START

**(Main topic) Cross-curricular Learning Links**

The whole half term's curriculum is based around electricity.

LINK

National Curriculum Aims:

- Asking relevant questions and using different types of scientific enquiry to answer them
- Setting up simple, practical enquiries, using a range of equipment and recording findings
- Identify common appliances that run on electricity
- Conduct a simple series electrical circuit, identifying and naming its basic parts (cells, wires, bulbs, switches and buzzers)
- Recognise some common conductors and insulators and associate metals with being good conductors

LINK

My Writing

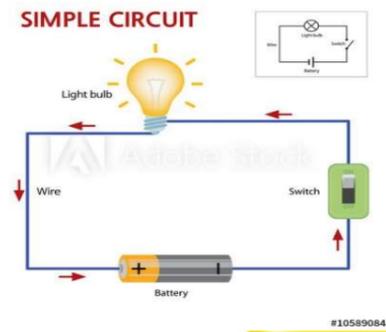
This half term the children will be writing explanation texts linked to electricity. The text will focus on how a simple electric circuit works in which, the children will have to explain and create diagrams to support this. They will be researching the significant individuals who influenced the development of electricity.

LINK

Science

- Recognise some common conductors and insulators and associate metal with being good conductors
- Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
- Identify differences and similarities or changes linked to simple scientific ideas and processes
- Use straightforward scientific evidence to support their findings

LINK



Y4

Spring 1

# Electricity



Maths

- Multiplication and Division  
Recall multiplication and division facts for tables up to 12
- Shape and Measure – Area  
Find the area of rectilinear shapes using a grid for support
- Fractions  
Recognise and show, using diagrams, families of common equivalent fractions

Art and Design

Collage:

Use colling, overlapping and tessellation

- To improve their mastery of art and design techniques

LINK

Music

Exploring sounds

**What does electricity sound like? Which instruments use electricity?**

- Appreciate and understand a wide range of live and recorded music
- Listen with attention to detail and recall sounds

RE

Questions of identify, diversity and belonging.

Geography

Use the 8 points of a compass and four-figure grid references, symbols & key to navigate around a given route. Explain own views about locations, giving reasons using geographical vocabulary.

**How has the development of electricity chnaged land use?**

- Use maps and atlases of different time periods to compare
- Use the eight points of a compass, four and six-figure grid references, symbols to build their knowledge.

Habits

Digital Literacy

Patient and compassionate

PE

Swimming and dance

Swim competently, confidently and proficiently over 25 metres.

Use a range of strokes effectively.

Travelling change of direction.

British Values/Oasis Ethos/SMSC/PSHE

**Does everyone have the right to have access to electricity?**

**Individual Liberty: We all have the right to belong to a country**

Computing

Digital Literacy

MFL

Spanish

Fabulous Finish

A demonstration on how to build an electrical circuit. Can the parents build their own?

FINISH