

Autumn Term 1

7 Weeks

**Connected Curriculum
Sparks Might Fly**

Subject Areas

Science

Electricity

Children will:

- Identify common appliances that run on electricity
- Construct a simple series circuit, identifying and naming its basic parts
- Identify whether or not a lamp will light in a simple series circuit
- Recognise that a switch opens and closes and circuit
- Recognise some common conductors and insulators
- Know that electricity can be dangerous
- Recognise electricity sources can be mains or battery
- Know that batteries 'push' electricity round a circuit
- Recognise that faults in circuits can be found by testing connections
- Know that drawings, photographs and diagrams can be used to represent circuits

During this unit, children will take part in several electricity themed challenges which will involve them exploring, observing, sorting, first hand experiences and research.

Design Technology

Children will be using their knowledge of circuits to design, make and evaluate our own buzzers which will be used around school. Children will consider the different alarms they know, their purpose and how they work. They will explore complete simple series circuits incorporating one working component (e.g. light bulb, buzzer, motor). Children will then create their own buzzer and evaluate their finished product.

PSHE

Pupils will understand emotions and feelings and begin to understand that sometimes we have difficult emotions and feelings to manage. We will discuss managing feelings and looking for triggers to warn before the 'sparks fly'. We will use the book 'A Volcano in my tummy' as a starting point.

French

Children will be learning basic French including food, colours and family. Children will learn basic phrases which will be used daily in our classroom.

English

Fantasy - We will be reading 'The Firework Maker's Daughter' by Phillip Pullman. Children will regularly listen to the novel being read aloud. They will identify, discuss and collect effective words and phrases which capture the reader's interest and imagination. Children will make predictions based on information stated and implied. We will be producing writing from the point of view of different characters to deepen understanding of the text. Throughout this unit there will be many short writing opportunities, including diary entries, letters and character profiles. At the end of the unit children will write their own narrative based on a plot inspired by the novel.

Film and Playscript - Children will be listening to and discussing a range of plays. They will analyse and evaluate texts looking at language, structure and presentation. Children will read play scripts and discuss what characters are thinking and feeling. They will then work on using appropriate intonation and expression when performing a script. By the end of this unit children will be writing their own play scripts based on a film narrative.

SPAG - This term we will be focussing on creating sentences with fronted adverbials for when e.g. As the clock struck twelve, the soldiers sprang into action. We will be using inverted commas and other punctuation to indicate direct speech. Children will also be exploring noun phrases e.g. The crumbly cookie with tasty marshmallow pieces melted in my mouth.

Cross-curricular writing: Children will have different writing opportunities linked to our RE unit, including writing a job description. In science, we will be producing leaflets about the dangers of electricity which will be shared with other children in school. Linked to our learning in PSHE, children will be writing about their different emotions and managing their feelings.

Maths

- **Week 1**
Year 3 - Number and place value
Year 4 - Place value
- **Week 2**
Year 3 - Place value and mental calculations
Year 4 - Place value, decimals and fractions
- **Week 3**
Year 3 - Written addition
Year 4 - Addition and subtraction
- **Week 4**
Year 3 - Written subtraction
Year 4 - Addition, subtraction and the inverse
- **Week 5**
Year 3 - 2D shape, length and mental calculation
Year 4 - Properties of 2D shape
- **Week 6**
Year 3 & 4 - Measurement (Time)
- **Week 7**
Assessment

Cross-curricular Mathematics: When researching energy use and how we can reduce the use of electricity to save our planet, children can compare data presented in different ways and look at the impact of switching off lights when not in the room, cutting the amount of time watching television down by a given amount etc.

Religious Education

Unit 3.1 Called by God

The aim of this unit is to give children an opportunity to consider what it means to be called by God and the responses people have made to that call.

Programme of Study to Include

- Investigating the lives of people who have been called by God;
Old Testament prophets e.g. Abraham, Moses, Elijah, Isaiah, Jeremiah, Jonah and Samuel;
- People in more recent history who have been called by God;
- Talking to people today who have been called by God e.g. members of the Clergy, people working in paid or unpaid Christian Ministry, perhaps a teacher or a doctor who feels that they were called to their vocation;
- An opportunity for the children to imagine that if they were prophets today, what would they speak in favour of or out against? Would they give up everything for the cause. Would they risk persecution?

Physical Education

PE lessons will be delivered by West Lancashire Sports Partnership and this term children will be participating in target games. They will learn about and practise aim and accuracy as they send an object towards targets different distances away. Children will evaluate their performances and discuss the importance of exercise on the body.