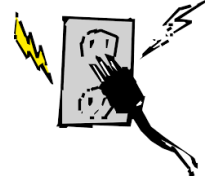


Springdale First School – Medium Term Overview



Year Four – Electric Avenue

We are buzzing about our ‘Electric Avenue’ topic this half term. We are commencing with a sparkly starter in a powerless classroom so the children can explore how much we rely on electricity.

In addition, the children will be continuing to build their history knowledge by plotting key dates of significant inventors, inventions and events onto our classroom timeline.

We will also be exploring society’s dependence on electricity and the impact of fossil fuels on our environment. We will investigate renewable sources of energy and compare their effect on the environment with that of fossil fuels.

NATIONAL CURRICULUM:

ENQUIRY QUESTIONS;

How much do we rely on electricity?

English			Mathematics
Text	SPAG Focus	Spelling focus	Writing focus
Return by Aaron Becker	<ul style="list-style-type: none"> - Use fronted adverbials with correct comma placement - Avoid repetition by using appropriate pronouns. - Apostrophes used to mark singular and plural possessive. - Indicate direct speech using inverted commas and other punctuation. E.g. commas to separate clauses. - Punctuation is accurate. 	<ul style="list-style-type: none"> - Adding suffixes to words with more than one syllable. - Prefixes in, im, il, ir - Homophones - Statutory words - The ay sound spelt; ei, eigh, ey 	<ul style="list-style-type: none"> - Narrative – creating setting, characters and plot using Return as inspiration
			<ul style="list-style-type: none"> - Addition and subtraction

Topic objectives (Focus Subjects)

Science focus

- Identify common appliances that run on electricity
- Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
- 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
- Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
- Recognise some common conductors and insulators, and associate metals with being good conductors.
- Understand the effect of carbon emissions from generating electricity.
- Identify renewable forms of energy and understand how these is better for the environment.
- Report on findings from enquiries including oral and written explanations, displays or presentations of results and conclusions.
- Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables.

History focus

- Chronological understanding - plotting key events on our timeline and researching how electricity has changed.

- Knowledge and interpretation - understanding the effect of Thomas Edison discovering the light bulb
- Historical enquiry - researching key contributors e.g. Thomas Edison and Benjamin Franklin and learning how they influenced history of electricity.

Other curriculum areas

Art – We will be learning how to mix colours to match a season. We will also create a colour wash and will experiment with mixing tones of colours within one colour group.

Jigsaw – We will be completing a unit on ‘Celebrating Differences’. This will tie in with our friendship week.

Music – We will be learning the Glockenspiel and building on our knowledge from the Year 3 unit and focusing on the skills of notation and playing and performing.

Computing – the children will be developing their coding skills in their computing sessions with Mrs Washbrook.

R.E. – We will be looking at what the most significant part of the nativity story is for Christians today.

Outdoor PE – Netball

French – We will be engaging in conversations about family and friends.

Indoor PE – Fitness, balance and flexibility

HOW CAN YOU HELP?

- Please practise each week’s spellings and any homework that is sent home.

- We hope you will find the following online maths games useful.

<https://www.topmarks.co.uk/place-value/place-value-charts>

<https://www.topmarks.co.uk/Flash.aspx?b=maths/addition>

<https://www.topmarks.co.uk/maths-games/hit-the-button>

<https://www.nationwideeducation.co.uk/www/flash/bs0/bs0-flash/index.html>

<http://mathszone.co.uk/category/number-facts-x%C3%B7/all-tables-choosable/>

- Regular use of TT Rockstars