

Geography

In Geography the children will learn about how electricity is used around the world. They will look at the difference between the United Kingdom and Venezuela (South American poverty). Children will make enquiry about where in the world electricity is used the most and why and view the earth from space to identify the physical changes noticed when it is daytime and nighttime.

Art and Design

In art children will create sketch books to record their observations and use these to review and revisit ideas. They will learn how to improve in mastery of art and design techniques, including drawing, painting and sculpture with a range of materials. Lastly, they will learn about various artists, architects and designers in history.

Computing

Children will design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. They will understand computer networks such as the world wide web and how these are a useful resource.

Science

This half term children will be learning all about electricity. They will identify common appliances that run on electricity. Construct a simple electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers. The children will recognise the purpose of a switch and how it opens and closes a circuit to light up a lamp.

History

Children will be learning about who discovered electricity. They will explore the characters of Benjamin Franklin and Thomas Edison. The children will make an enquiry about how households have changed throughout history due to the use of electricity and consider how electricity has changed the way we live our lives.

It's Electrifying



Spelling list

Here is a list of words to support your child with our thematic curriculum:

electricity	pressure
electrical	force
electric	variety
appliances	similarity
circuit	difference
cells	light
wires	pollution
bulbs	renewable
switches	recycle
buzzers	create
bolt	re-use
current	turbine
block	Panel
flow	gadgets
insulators	opposite
conductors	experiment
lightening	method
storm	prediction
power	conclusion
energy	result

Design and Technology

Children will be building circuits, buzzer games and Rudolph noses. They will understand and use mechanical systems for their products. They will evaluate their ideas and products against their own design criteria and consider the views of others to improve their work.

Extracurricular links

Here is a list of ideas to support your children with our thematic curriculum at **home**:

At home: Electricity hunt- Can the children find sources of power and locate appliances that use electricity?

Places to visit: The Science Museum London, Electrical and lighting shops.

Website links:

<http://www.primaryhomeworkhelp.co.uk/revision/Science/electricity.htm>

<http://powerup.ukpowernetworks.co.uk/powerup/en/under-11/>

<https://www.bbc.co.uk/bitesize/topics/zj44jxs>