



Year 4 Parent Planner - Spring 2023



The Black Pear Trust

KNOW MORE

Vital vocabulary

electricity, cell, circuit, series, bulb, conductor, battery (more than 1 cell), insulator, complete circuit, switches, wires, buzzers, motor.

Equator, North America, South America, Mexico, Guatemala, Chile, Bolivia, peninsula, plate tectonics, plate margins, crust, volcanoes, magma, lava, ash, mountain, active, dormant, ash flow, constructive, divergent, volcanic, eruptions, summit, vent, crater, erosion.

REMEMBER MORE

Quality questions

What is a conductor? What is an insulator?

What would life be like without electricity?

How does a lightbulb work?

How are volcanoes formed?

How do volcanoes affect people around the world?

What is the Pacific Ring of Fire?

How can we use different media to create a collage?

EXPERIENCE MORE

Marvellous memories

Watch this clip [What is electricity? - BBC Bitesize](#)

Create a circuit using a lemon - [How to Make a Lemon Battery | Science project | Education.com](#)

Construct a model of a volcano.

[Simple experiment: A foaming volcano from baking soda and vinegar - YouTube](#)

People and places

Can you find out what the scientist **Thomas Edison** is famous for?

Use Google Earth to discover a volcano in a different country.

Create a piece of art in the style of David Wightman. Compare to Eric Carle.

Reliable reading

'You wouldn't want to live without Electricity' by Ian Graham

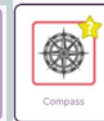
'Oscar and the bird a book about electricity' by Geoff Warring

Rewarding research

Use BBC Bitesize to discover all about electricity.

[Electricity - 2nd level Science - BBC Bitesize](#)

Use Purple Mash to brush up on your geography skills.



This term's theme:

Around the World





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As scientists and engineers this term...

We will:

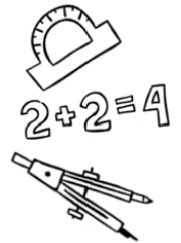
- Identify common appliances that run on electricity
- Construct a simple series electrical circuit
- Recognise some common conductors and insulators
- Recognise how a switch works



As mathematicians this term...

We will:

- Solve multiplication and division problems
- Identify the area of shapes and solve problems.
- Identify fractions of amounts and equivalent fractions.
- Add and subtract fractions.
- Recognise tenths and read them as decimals.
- Review all four formal methods to solve a variety of reasoning problems.



In P.E. this term...

We will be using moving strategies to move around on different levels using gymnastic apparatus safely.

Our second lesson will be games based so we will be developing our throwing and catching skills in volleyball skills and then exploring with OAA.



This term, we will discover...

- Where countries that border the Ring of Fire are located .
- Where different volcanos are located in Europe and South America.
- How volcanoes are formed and the role of plate tectonics.
- Where the equator, northern & southern hemispheres are.
- The impact volcanoes have when they erupt and how they linked to the Ancient Maya in South America.
- About the work of Eric Carle and David Wightman.
- How we can use layers to build up a picture.



As writers this term...

We will be writing

- For a range of purposes and audiences, including to entertain, explain and inform.
- Using a range of sentence structures. This will include using multiclaue sentences and varying the positions of phrases within sentences.
- Using a range of language, ensuring we are making effective word choices using a thesaurus, if needed.



For our well being...

We will learn how our choices make a difference to others and the environment. We will explore what a community is and how we are parts of different communities. We will explore and explain about the different groups that make up and contribute to a community.



As readers this term...

We will be using a range of expert tips to explore fiction and non fiction texts. We will navigate a variety of texts to retrieve information and will predict and explain what might happen in a text referring to events which have already taken place.

