

How could you cope without electricity for a day?

As Speakers we can:

Work as a team and put together a presentation which tells us about electricity? We can present our views clearly on a range of topics

As Writers can we...?

Write an informative letter to their parents explaining about spending a day without electricity and asking for their support for this to happen at home also. In addition, there are many opportunities for children to use explanation texts to support their work.

As Readers we can . . .

Read a range of fiction and non-fiction texts, understand information presented and answer questions using the clues in the text. We can read fluently and ask questions about texts.

Texts we will use:

Magic School Bus - Electric Field Trip Joanna Cole

Electric Storm Anne Capeci

Focused Class Texts:

Magic School Bus - Electric Field Trip Joanna Cole

Electric Storm Anne Capeci

Suggested texts for home reading:

Non-fiction texts linked to science

Anne Frank's diary, The boy who harnessed the wind

As Mathematicians can we:

Record how long is spent using a computer, tablet or phone each day and each week, using the correct number operation?

Find the best location for a wind turbine in the school grounds and record our measurements?

Find the best location for a solar panel in the school grounds and record measurements

Record how long the lights are on in your classroom in a day?

As responsible citizens we can:

Ensure we turn off lights and gadgets off when not in use

Try to reduce use of electricity around the house and school

Minimise use of television, computers

Use at night

Switch switches off

In R.E we can:

Thank God for giving people wisdom to create electricity

Create a prayer to thank God

Celebrate that we are all different and equally loved by God

As Scientists we can:

Identify common appliances that run on electricity?

Construct a simple series electric circuit?

Identify and name the basic part in a series, circuit, 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?

Associate a switch opening with whether or not a lamp lights in a simple series circuit?



How could you cope without electricity for a day?

Key questions:

1. Why have we become so dependent on electricity?
2. How can you create an electrical circuit that has a switch or a buzzer?
3. What are conductors and insulators and how are they associated with electricity?
4. What! No TV or play-station? What shall we do?
5. Could you create a meal that has not required electricity to prepare it?
6. How is electricity generated and what do we mean by alternative sources?
7. Reflection: Working as a team, can you put together a presentation which tells us about electricity?

As Historians/Geographers, we can:

Explore the concept of renewable and non-renewable sources of energy?

Investigate how these sources of energy affect the landscape?

Research areas of the world that may not yet have electricity?

Research how electricity was discovered and by whom?

Investigate different types of electrical objects?

As Artists and Designers, we can:

Design and make a game which they could play as an alternative to an electrically powered game?

Design, make and plan a meal which they will eat. The issue is that electricity must not have been required when preparing the meal.

As sporting enthusiasts, we can:

Race an electric bike challenge

Bike smoothie challenge

Electric exercise equipment

Learning beyond the classroom:

Health and safety

Science Museum

Windmills search

As musicians, can we learn how to :

Play electric instrument

- Electric guitar
- Keyboard
- Synthesizers
- Other instruments

Using Technology, we can:

Use the internet to research our topic?

Use appropriate software to present our research?

As home learners, we can:

Research facts about electricity and present your findings in a creative way.

Poster

Powerpoint

Model (circuit)