



# Electricity in Action

## Cross-curricular activities

### English

A range of genres fit with the subject of electricity from report writing about its uses and how it is created, to story writing about black outs, or a world without electricity. Poems can be created as well as persuasive writing about its uses across the world and its environmental impact.

### History

Who discovered electricity and how was it generated? When was electricity first used in houses? Which historical era was this? What did early electrical appliances look like and how have they changed? What advances have been made in electricity (e.g. storage and generation)? Why has this been needed?

You may be interested in another PSTT resource – *Life on Mars* – which explores developments in technology since the 1970s. The resource is free to download from Cross-curricular Science & History. <https://pstt.org.uk/resources/curriculum-materials/cross-curricular-science-and-history>

### Geography

How much electricity is used by different countries? Is production different between countries, what are the advantages and disadvantages? Look at pictures of the globe at night to show which ones are most lit up. What is sustainable energy and how are the different types produced? What are their advantages and disadvantages? Look at local issues around electricity production – solar panels, wind farms, incinerators, power stations etc.

### Technology

Look at creating an electrical device that moves, emits light or sound, or uses electricity to solve a problem – burglar alarm, or scarecrow.

### Art

Look at art with an electrical theme – sculpture, artists that use electrical components in their work like Theo Kamecke.

### Music

Look at the introduction of the synthesizer in music (1980's), or how electricity is used to create different sounds from acoustic versions, like a guitar or piano. Look at the difference in sounds and if there are other instruments that have electric versions.

