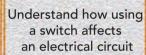
Science Knowledge Building



Understand how some components work within the circuit and how their use affects the effectiveness of it

Know how to draw a simple circuit using correct symbols

Know and understand a range of vocabulary relating to electricity, such as 'circuit' and 'current', building on learning from 'Zero to Hero'

Understand how electricity can make a range of appliances perform different tasks e.g. move, heat up, make a noise

Know that metals in general are better conductors and begin to learn which are better conductors than others

Know that circuits need to be complete in order for the components to work

Know how to safely experiment with basic components to make a circuit Identify parts of a circuit and know the effect of an open and closed circuit Learn new vocabulary relating to electricity, such as 'components'and 'current', building on knowledge from 'Light Up the World'

Understand how important the availability and use of electricity is in our everyday lives Know how simple conductors and insulators work and how they can keep us safe

Understand more complex scientific processes and know some factors that can affect change

Understand that
methods are a key
part of safe
experimentation and
have secure
knowledge of
features

Know that clear observations and recordings support findings and prove theories Know how scientific language learned relates to new science concepts and ideas

Understand how science affects our lives and the implications its use has on them Understand that these links between science, technology, engineering and mathematics are key to many industries

Processes and Changes

Methods

Observing and Recording Scientific Vocabulary

Uses and Implications

Cross-Curricular (STEM)

Lightning Speed