

Vocabulary	
circuit	
component	
cell	
conductor	
function	
insulator	
resistance	
symbol	
volts	
voltage	

Already, I can...

... identify common appliances that run on electricity.

... construct a simple series circuit, identifying and naming its basic parts.

... identify whether or not a lamp will light in a simple series circuit.

... recognise that a switch opens and closes a circuit.

... recognise some common conductors and insulators, and associate metals with being good conductors.

Can I...

Can I use recognised symbols when representing a simple circuit in a diagram?

Can I record using scientific diagrams?

Can I explain how the number of batteries effects the brightness of a bulb?

Can I carry out a fair test, recognising the variables to control and consider the reliability of my results?

Can I explain how different things can affect how components behave in a circuit?

Can I raise my own questions based on my experience and plan a fair test to answer this question?

Can I explain what can affect the function of a component in a circuit?

Can I record with increasing complexity using scientific diagrams and labels?

Can I use my knowledge of electrical components to make a device?

Can I plan a specific scientific enquiry, which recognises and controls variables?

Can I revisit and recall my learning?

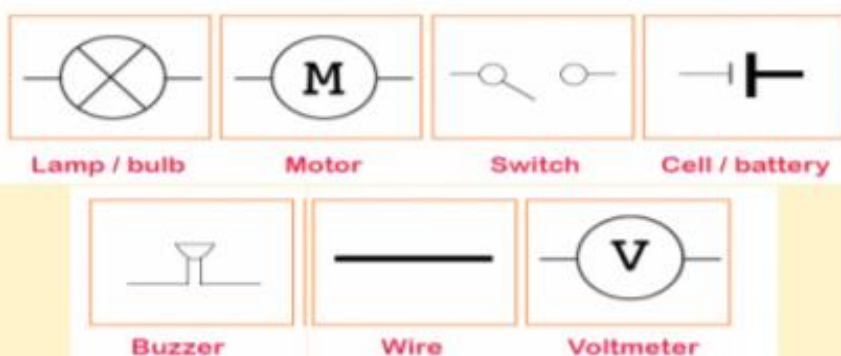
Catholic Social Teaching

This topic helps us to recognise that using energy carefully is one way we can be good stewards of God's creation.



My sticky knowledge...

Electrical Symbols for circuit diagrams



Big Ideas



Energy makes things happen and can be seen by its effects (light, sound, electricity); it can be transferred but is not used up.