



I Can Statement - Year :Year 5

Electricity

Unit/Topic Overview	Pre-taught Vocabulary	
This topic introduces how electrical energy powers the things we use every day. We will investigate how electrical current flows through a complete loop called a circuit, and learn how to draw these using simple scientific symbols. We will experiment with changing different parts of a circuit, like adding extra batteries, using longer wires, or putting in more components, to see how it changes the brightness of a bulb. By testing different materials, we will discover which ones are electrical conductors that allow electricity to pass through, and which are insulators that block it.	Current	Circuit
	Conductor	Insulator
	Component	Cell
	Battery	Symbol
	Charge	Ammeter

RAG Rating:		Start	End
1.	I can name and classify everyday electrical devices as mains or battery-powered		
2.	I can build a complete circuit using cells, wires, bulbs, buzzers, or motors		
3.	Students accurately draw and label circuits using standard symbols		
4.	I can explain why a circuit must be complete for a device to work		
5.	I can test materials and correctly classify them as conductors or insulators		
6.	I can explain and demonstrate how a switch opens and closes a circuit		
7.	I can describe how adding more cells or bulbs affects brightness or sound.		
8.	I can present findings using tables/diagrams and draw simple conclusions		
9.	I can correctly use terms like circuit, current, cell, battery, conductor, insulator		