



Electricity Around Us		✓
Many things we use everyday are powered by electricity.		
Some appliances are powered by batteries.		
Some appliances are powered by mains electricity (they use a plug).		
We are careful around electricity by:		
Keeping water and electricity away from each other	Not touching sockets or pulling wires	
	 	

Conductors and Insulators		✓
Some materials let electricity through them. These are conductors:		
Copper wires 	Metal coins 	
Some materials stop electricity going through them. These are insulators:		
Plastic 	Wool 	
Being a Scientist		
We can find out about insulators and conductors by setting up an enquiry. We will test different materials in our circuit to see which let electricity through.		

Key Vocabulary		✓
precautions	The things we do to be safe.	
appliances	These are machines that use electricity.	
mains	This is when power comes from the national grid into sockets.	
conduct	This is when electricity can move through a material.	
insulate	This is when materials don't let electricity through.	
circuit	A complete circuit allows electricity to flow all the way around.	

Parts of a circuit:

Bulb or lamp



Wire



Battery



Switch

