# Design Technology: Steady Hand Testers - Electrical Systems

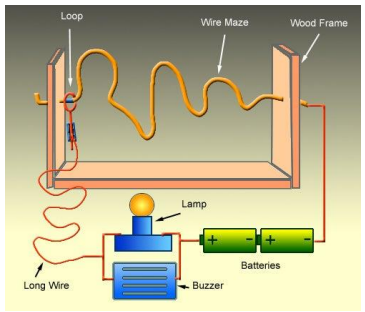
Year 4

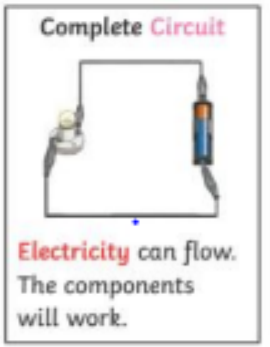
## Key vocabulary

| | |
|---|---|
| electrical system | a set of components that make an electrical circuit within a product |
| electrical circuit (from Science Learning) | a complete circular path that electricity flows through |
| power supply | a device providing power to an electrical device e.g. mains, battery |
| electrical insulator (from Science Learning) | a material that electricity cannot flow through |
| electrical conductor (from Science Learning) | a material that electricity can flow through |

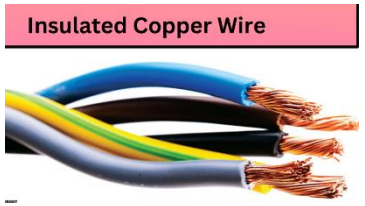
## Key knowledge

A steady hand tester works by completing an electrical circuit to set off a buzzer or light a bulb.




Insulated wire should be used to make sure joins in wires are safe.




We are building on our knowledge of Electricity in Science

This will help us learn in Year 6 when we make torches and gadgets