

# The ASPIRE Curriculum-Key Learning

Subject: Science





#### Key Knowledge

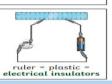
Title: Electricity



- mains power, so do not put any of it Report any damaged
- or broken equipment to your teacher. Do not use it
- Only use equipment as instructed Connect equipment correctly.
- Disconnect equipment after use and put it away neatly.

tested in a circuit to see if they are electrical or electrical insulators.





## Appliances

Many everyday appliances rely on electricity for them to work. Some appliances use mains electricity (are plugged into a socket) and others have a battery to make them work. Examples of mains-powered appliances include toasters and televisions. Battery-powered appliances can include mobile phones and torches.

10p = metal =





#### Key Skills

- I can identify common appliances that run on electricity
- I can make circuits and Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.
- I can investigate whether circuits are complete or incomplete.
- I can recognise some common conductors and insulators, and associate metals with being good conductors.
- I can explain how a switch works in a circuit, build switches and report my findings.
- I can discuss and solve problems about electricity using reasoning skills.

#### Key Vocabulary

Organism: 'Organism' is another way to refer to a living thing. habitat A habitat is the specific area or place in which particular animals or plants may live.

Environment: The environment is the natural world, either as a whole or in a particular area.

Species: A species is a group of living things that share enough similarities to be able to breed and produce young capable of breeding.

Endangered species: An endangered species is a species that is at risk of extinction.

Extinct: Extinct means that a species has no more members alive.

Classification: Classification is the process of grouping living things according to their similarities.

Warm-blooded: Warm-blooded refers to animals that are able to generate their own body heat.

Cold-blooded: Cold-blooded refers to animals that are not able to generate their own body heat.

Vertebrate: A vertebrate is an animal that has a spine.

Invertebrate: Is an animal that does not have a spine.

*Characteristic:* A characteristic is a particular feature or quality that is specific to an individual or species.

Metamorphosis: Metamorphosis is the process by which certain animals completely change their appearance and body structure.

### Luke 1:37 "For with GOD nothing shall be impossible"