

Starter

What do all these objects have in common?



LO: To identify common items that run on electricity

Success Criteria	TA
I can recognise items that are powered by electricity	
I can identify the power source for an electrical device	
I can organise and present findings from a sorting activity	
I can recognise actions that are caused by electricity	
Scientific skill: Identifying differences, similarities or changes related to simple scientific ideas and processes	

Vocabulary

electricity
electrical
mains
plugged in
battery
power
sets



rechargeable
solar
wind up
sound
light
heat
movement

Safety

- This topic is all about electricity!
- Everything we give you to use is safe for you to handle. However there are some rules to remember when dealing with electricity.
 - <http://www.switchedonkids.org.uk/electrical-safety-in-your-home> Let's see what hazards we can find



Electricity

- We are surrounded by devices that run on electricity.
 - How many can you think of?

Electricity



Which of these objects need electricity to work?

Electricity

- We are surrounded by devices that run on electricity.
 - How many can you think of?
- We can power electrical devices in different ways.

These all use electricity

What criteria
could we use
to sort them?



What about this
phone?
Where would it fit?



In groups

- Sort the pictures by the criteria you have been given.
- **Skills:** devices that use electricity and that do not use electricity
- **Core:** devices that are mains powered and that use batteries (remember to think about where rechargeable devices go).
- **Extension:** how the devices are powered – you will have to decide on your own groups.
- **Challenge:** can you identify what the different devices produce?
 - Light, sound, movement, heat (some might produce more than one)

In your books

- Write a short explanation of how your group sorted the devices.
 - We sorted the devices into groups based on . . .
- Record a fact that you have learnt today:
 - Today I learnt . . .

Plenary



I'm going to sort these devices. See if you can tell what criteria I'm using.