KNOWLEDGE ORGANISER

SCIENCE	ELECTRICITY	YEAR 3/4

Cross curricular links

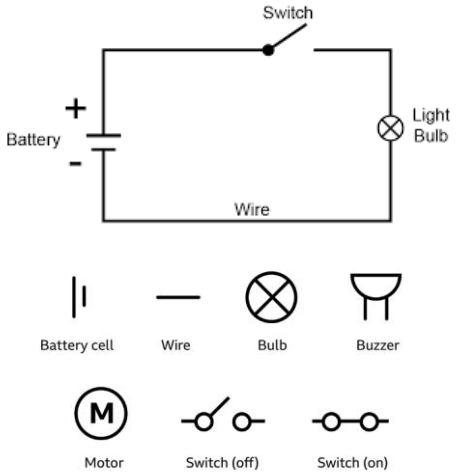
Geography – Climate change (How can we be greener?)

Working scientifically

Making observations, comparisons and drawing on conclusions

Identify differences, similarities or changes related to simple scientific ideas and processes

Pictures/photos relevant to topic



Key skills

To identify common appliances that run on electricity

To construct a simple series circuit and identifying/naming its components

To identify whether or not a lamp will light in a simple series circuit, based on whether the lamp is part of a complete loop with a battery

To recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit

To recognise common conductors and insulators

Key Vocabulary/definitions

Electrons: the movement of tiny particles which produces a current

Electrical energy: a form of energy resulting from the flow of charged particles

Components: any part of an electrical circuit

Circuit: a complete circular path where electricity flows through

Conductor: a material that allows electricity to flow through

Insulator: a material where electricity does not flow freely

Useful Information

https://www.bbc.co.uk/bitesize/articles/zcwnvgq - What is electricity?