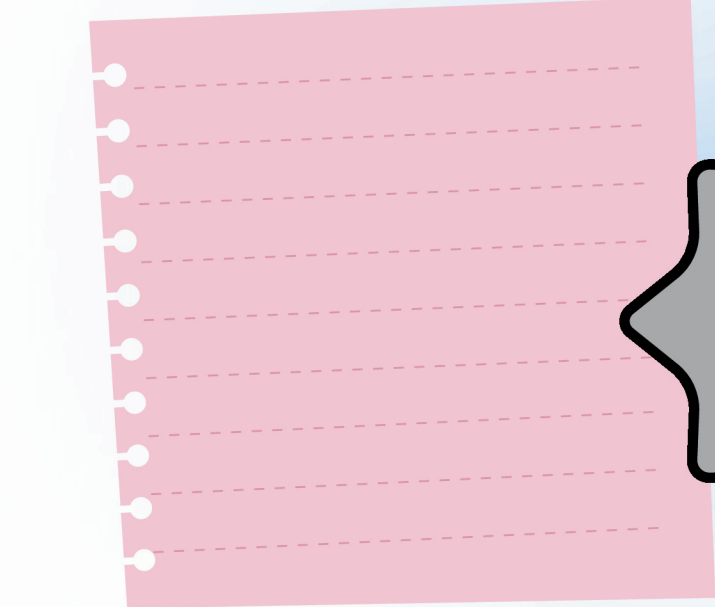


ELECTRICAL CIRCUITS

- Key Stage 2 Science**
- Build simple circuits from pictures or demonstrations.
 - Identify components from their circuit symbols, and draw the circuit symbol for common components.
 - Identify circuit diagrams that represent a series circuit by tracing round the circuit.
 - Interpret circuit diagrams to build series circuits.
 - Use circuit symbols and circuit diagram conventions to draw clear and precise circuit diagrams of electrical circuits.
 - Describe the effect of different battery voltages on simple circuits.



Working scientifically

- WS 1.2 Use a variety of models such as representational, spatial, descriptive, computational and mathematical to solve problems, make predictions and to develop scientific explanations and understanding of familiar and unfamiliar facts.
- WS 2.6 Make and record observations and measurements using a range of apparatus and methods.
- WS 4.1 Use scientific vocabulary, terminology and definitions.



**PRIOR
LEARNING**

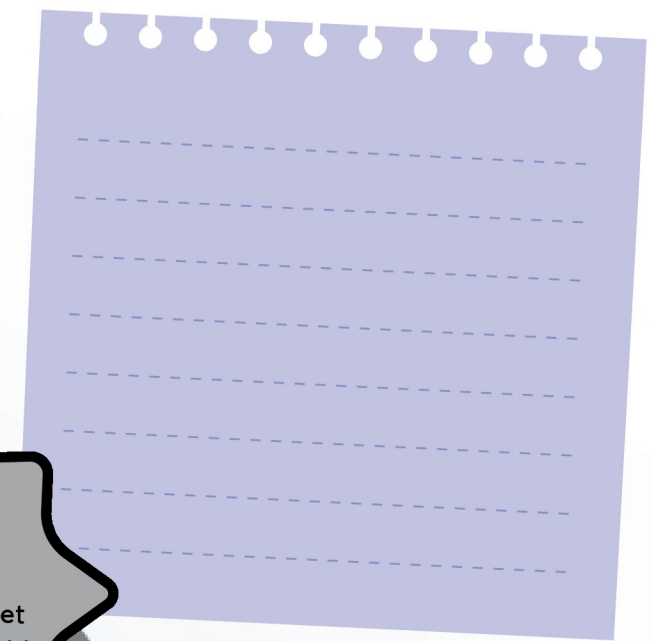


Consolidate
prior learning

PRE ASSESSMENT



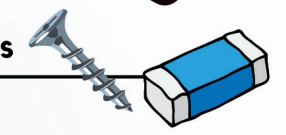
**PEER
ASSESSMENT**
How well can I interpret
a circuit diagram to build
a series circuit?



Charge, current
and potential difference.



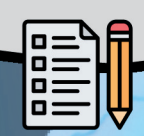
Conductors and insulators



Modelling series circuits



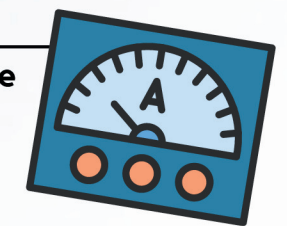
**END OF TOPIC
ASSESSMENT**



SELF ASSESSMENT
How well can I use a
model to explain *potential
difference* and *current* in a
series circuit?



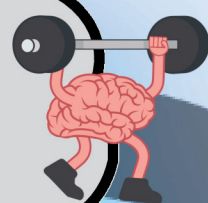
Measuring potential difference
and current.



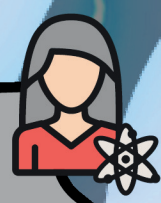
**LATER
LEARNING**

- Year 8 topic
MAGNETISM
- Electromagnetism
- Key Stage 4 Physics
- Energy
 - Electricity
- Key Stage 4 Chemistry
- Ions
 - Electrolysis

**KNOWLEDGE
ASSESSMENT 2**



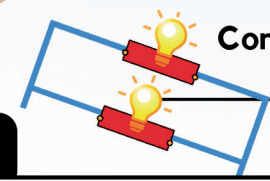
**TEACHER
ASSESSMENT**
How well can I describe
the differences between
connecting components
in *series* or in *parallel*?



Resistance



Connecting components
in parallel



**KNOWLEDGE
ASSESSMENT 1**

