

Sticky Learning for Science (Physics)

Class 3

Shocking Electricity

Electricity (Year 4)

I can identify common appliances that run on electricity.

I can recognise some common conductors and insulators.

I can recognise that metals are good conductors.

I can identify and name some basic components of electrical circuits.

I can construct a simple series circuit.

I can recognise that a switch opens and closes a circuit.

I can classify electrical appliances as battery powered or mains powered. **MO IC**

I can identify whether or not a lamp will light in a series circuit and can investigate how to make lamps shine more brightly. **AQ MP MO EM PE RR DC**

I can investigate the effect of switches on the components in a series circuit and explain my observations. **MP MO EM PE RR DC AE**

Key Vocabulary to learn:

- **Appliance**
- **Cell**
- **Battery**
- **Wire**
- **Bulb**
- **Switch**
- **Buzzer**
- **Circuit**
- **Conductor**
- **Insulator**

Working Scientifically:

AQ Asking and answering questions

MP Making predictions

MO Making observations

EM Equipment and measurements

IC Identifying and classifying

PE Engaging in practical enquiry (investigations)

RR Recording and reporting findings

DC Drawing conclusions

AE Analysing data, evaluating and raising further questions and predictions