

# Design and Technology

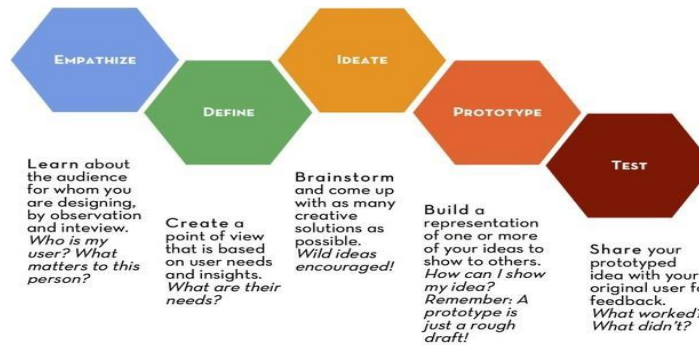
## Electrical Systems

### Knowledge Organiser

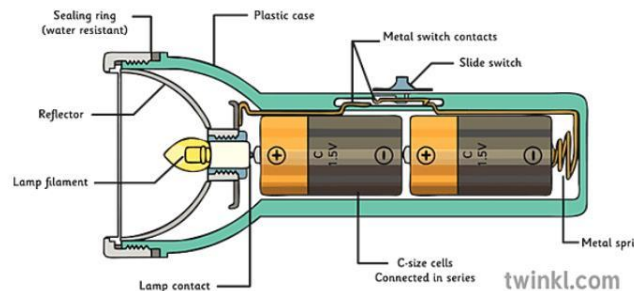
#### Health and Safety in D&T lessons

- Electricity is dangerous – use wires and batteries with care.
- Don't shine bright lights in eyes
- Use equipment carefully and watch what you are doing (don't get distracted!)
- Only use a glue gun with an adult's supervision.
- If you have to move with scissors in your hand, close them and hold the blade in your hand
- Pass scissors to people so that they can take the handles not the blade.
- Tie long hair back

We are all DESIGNERS!



#### What is a cross sectional diagram?



Glossary

**Conductor** – a material (usually metal) which allows an electric current to pass through it.

**Cross-section** – how an object would look if it was sliced down the middle.

**Insulator** – material which does not easily allow electric current to pass through it.

**Push to make switch** – only ON while being pressed.

**Reflected light** – light which is bounced off a surface.

**Switch** – a break in a circuit which you can join whenever you wish.

