

Inside one simple system: a closer look

technology

What you need: adult-prepared opened simple battery torch or labelled internal photo sheet (internals visible: switch, battery bay, contacts, bulb) · component cards (switch, battery, contacts or wires, bulb or LED, casing) · Investigation Journal page · simple torch outline sheet (support) · spare AA or AAA batteries for torches

Words to use

Component · Input · Process · Output

Our question

Is the battery an input or part of enabling the process, and does the casing sit under process or beside the IPO map as support?

Draw and label the order

Labels to use

switch · battery · contacts or wires · bulb or LED

The order I found

Which parts touch or join along the path?

What would fail if one named part was missing?

Where does the path start when you use the torch, and where does it end?

