

Design Technology Cycle A Y3&4

Electrical Systems - Simple circuits and switches

Lesson 1

How can I use research to understand the design and key components of a simple circuit with a switch?

*purpose
user*

Lesson 2

How can I investigate and understand different types of switches?

*taggle switch
push to make switch
push to break switch*

Lesson 3

How can I use classroom materials to make a simple series circuit?

*battery/
battery holder
bulb/bulb holder
wire*

Lesson 4

How can I design a torch using a simple circuit and recycled materials?

*design criteria
innovative
appealing*

Lesson 5

How can I apply my skills to create a working torch with a simple switch?

*prototype
function*

Lesson 6

Assessment

How well does my torch meet the design and how effective is it for the user?

*design brief
evaluation*

What will we be learning about over the coming weeks?