

WALT: know how to investigate casings for a torch, to hold components for an electric circuit.

In order to design a case for a torch, you will need to consider the following questions:

How will you attach the circuit to the casing?

Will the casing be strong and secure? How could you make it more so?

Does the circuit fit well inside the casing?

Where would you put the switch so that it was easy to turn on and off?

Would it be easy and comfortable to hold?

Is there an opening for the bulb? Could you add in a reflector?

Investigate 4 different casings, using 4 different objects. Draw and label your ideas.

My 4 objects are: _____

You will also need to THINK about the following properties:

strong

soft

hard

waterproof

absorbent

flexible

colourful

conducts electricity

durable

does not conduct electricity

transparent

opaque

Advantages:	Disadvantages:

Advantages:	Disadvantages:

Advantages:	Disadvantages:

Advantages:	Disadvantages: