

## Unit hub

### [Electrical systems: Torches :](#)

#### Intended outcome of the unit

Identify electrical products and explain why they are useful.  
 Help to make a working switch.  
 Identify the features of a torch and how it works.  
 Describe what makes a torch successful.  
 Create suitable designs that fit the success criteria and their own design criteria.  
 Create a functioning torch with a switch according to their design criteria.

#### Key Vocab

battery	electricity
bulb	electronic item
buzzer	insulator
circuit diagram	series circuit
component	switch
conductor	target audience
electrical item	test

#### Unit specific links:

[Assessment D&T Y4: Electrical systems: Torches Knowledge organiser](#)  
[Key vocabulary](#)

Week	Week	Week	Week
<a href="#">Lesson 1: Electrical products</a>	<a href="#">Lesson 2: Evaluating torches</a>	<a href="#">Lesson 3: Torch design</a>	<a href="#">Lesson 4: Torch assembly</a>
To learn about electrical items and how they work.	To analyse and evaluate electrical products.	To design a product to fit a set of specific user needs.	To make and evaluate a torch.

#### Suggested Next Steps

[Electrical systems: Doodlers](#)

