



Independent Learning Task

Subject	Science		
ILP #6	How does a torch work?		
Week set:	Week 37 (week commencing 1 st July)		
Duration:	1 hour		
Hand in:	Week 39 (week commencing 15 th July)		
Instructions:	<p>Task:</p> <ul style="list-style-type: none"> • Use the diagram on the next page to help you explain how a torch works. • Draw a circuit diagram of the torch. 		
Skills:	<ul style="list-style-type: none"> • Use a model to explain a scientific concept. • Draw a circuit using standard symbols. • Apply knowledge to a real-world example. 		
Marking schema:	Secure	Developing	Excellent
	<ul style="list-style-type: none"> • Draw a simple circuit diagram of the torch. • Show where the electricity comes from. • State simply how the torch works. 	<ul style="list-style-type: none"> • Draw a circuit diagram using standard circuit symbols. • State the roles of the cells, wires, bulb and switch. • Identify which materials in the torch are conductors and insulators. 	<ul style="list-style-type: none"> • Draw a circuit diagram using standard circuit symbols. • Describe the roles of the cells, wires, bulb and switch. • Identify the materials that are conductors and insulators, giving reasons for your choices.
Additional guidance or help:	<ul style="list-style-type: none"> • Use the attached worksheet to help you. • Use the key words: <i>Battery, Cell, Bulb, Conductor, Current, Insulator, Metal, Plastic, Switch, Voltage, Wire</i> 		

How does a torch work?

A torch has a circuit in it.

Use the diagram below of a torch to describe and explain your ideas about energy and electricity.

Don't forget to refer to the mark scheme on the previous page and use the additional guidance.

