

Setting up a Battery operated toy to use with a switch.

What you will need

- A suitable toy
- A small screwdriver
- A battery switch adaptor (appropriate to the toy)
- A Switch

Step 1: Find a Suitable Toy - It is important to choose a battery powered toy that uses a simple on/off switch, examples could be: a Train engine, car or toy animal, bubble machine, disco light . **A simple test is to switch on the device and see if it works, without any other actions.**

Step 2: Open the battery compartment - this usually requires the removal of a small screw. Check the battery size and select an appropriately sized battery switch adaptor.



Top tip - If there is a lid over the battery compartment, use a file to notch a groove in the lid to prevent it pinching the wire.

Step 3: Insert the Battery Switch Adaptor - Insert the battery adaptor's contact disc between the battery and one of the battery contacts. It is important that it touches both the battery and the power connector (spring connection to – end of the battery is best)



Step 4: Close the battery compartment lid and replace screw.



Step 5: Switch on the toy - If you have successfully inserted the switch adaptor, the toy will not activate even though switched on.

Step 6: Connect your Switch - You can now connect your switch and use. Pressing the switch will activate the toy.



Battery tips – although rechargeable batteries often seem a good idea, be aware that they can lose capacity over time, as they are discharged and recharged. Alkaline batteries might give better value.

Adapted from:

http://www.semmerc.com/inclusion_in_action/switch_adapt.asp
and NOF materials <http://www.inclusive.net/resources>