

# Basic LED with Switch 2

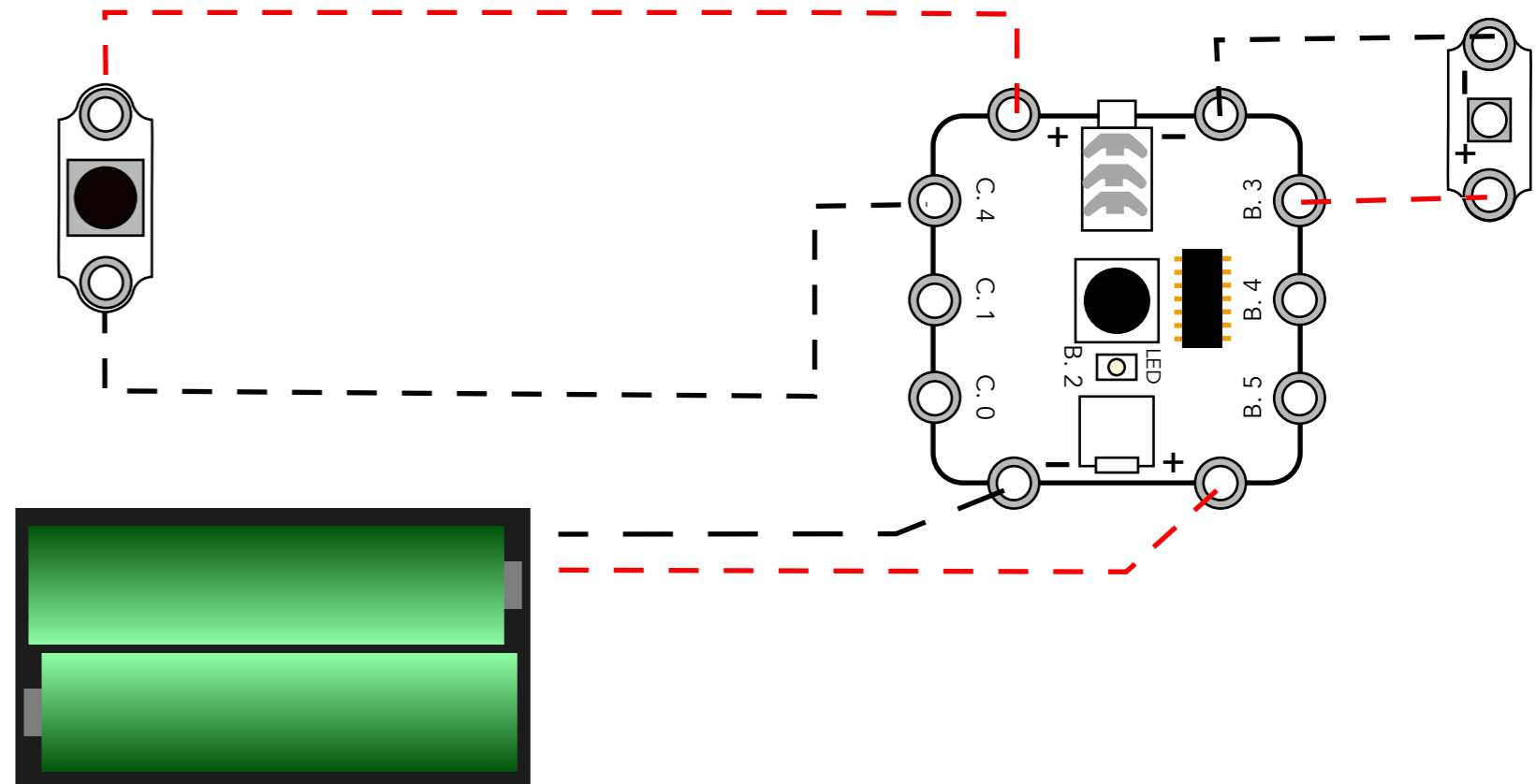
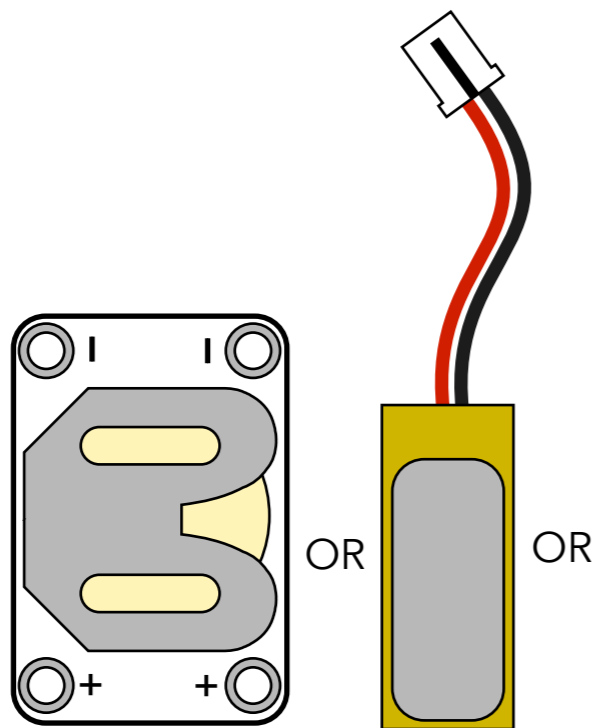
Whilst the power is on the external LED will be illuminated. As soon as the external button is pushed the external LED will go off and the built in LED on the IGLOO will come on. As soon as you let go of the button the external LED will come back on again.

Why would you have one light on and off if the button is pushed?

How could you add another external LED to this program?

```

start
forever
do
  if input C.4 is on
  then
    turn output B.2 on
    turn output B.3 off
  else
    turn output B.2 off
    turn output B.3 on
  
```



### Components

- Electro-Fashion, Sewable PICAXE Control Board Product Code: 2751
- Electro-Fashion, LED Board, White Product Code: 2714-01
- Electro-Fashion, Conductive Thread, 50 yards / 45m Product Code: 2722
- Electro-Fashion, Sewable Coin Cell Holder Product Code: 2701 or
- E-Textiles Polymer Lithium Ion Battery Product Code: 2223 or

You can use different types of battery. It depends on how much space you have available to store a battery. For modeling your design it is easier to just use normal AA batteries.