

Basic External LED

The IGLOO has a built in switch that will allow you to turn on an LED.

Attach an LED to terminal C. 4. & the **-** terminals on the Igloo. Open the Blockly software and copy the code shown on the right and send the code to the Igloo via the USB cable.

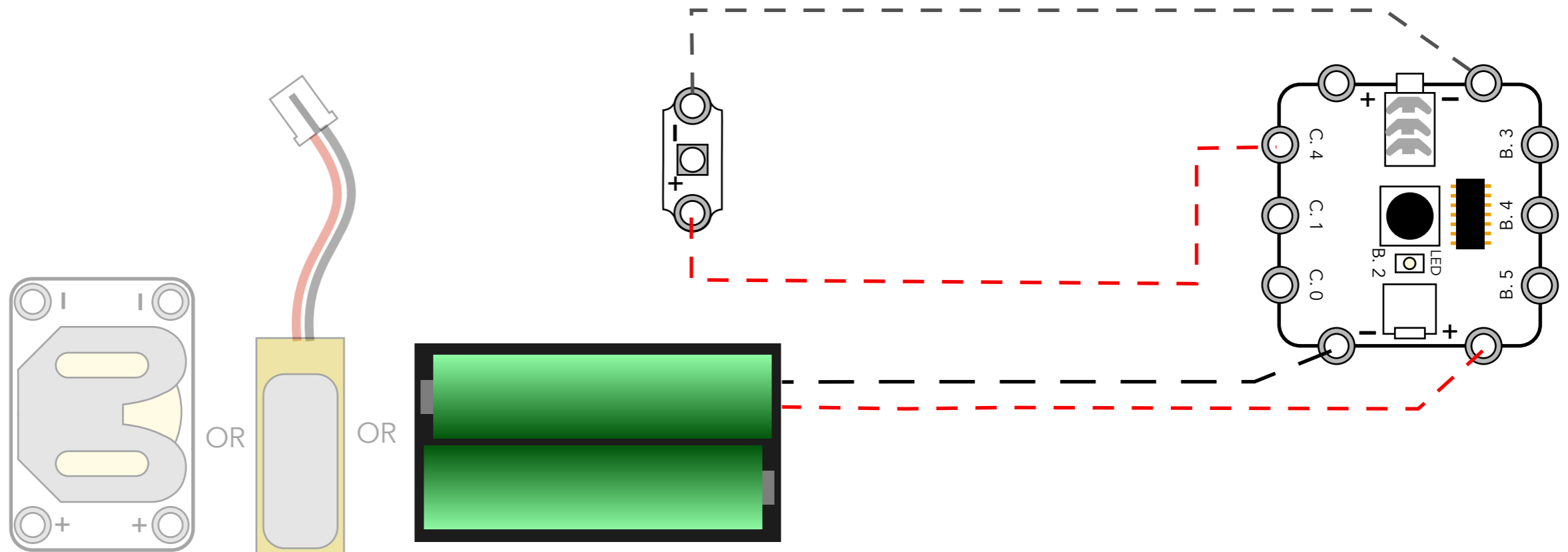
The LED will switch on as soon when you press the button on the IGLOO. As soon as you let go of the switch the LED will turn off.

Try changing the output from C4 to B. 2, send the code to the Igloo and see what happens.

How else could you create this circuit without the use of the IGLOO?

```

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



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.