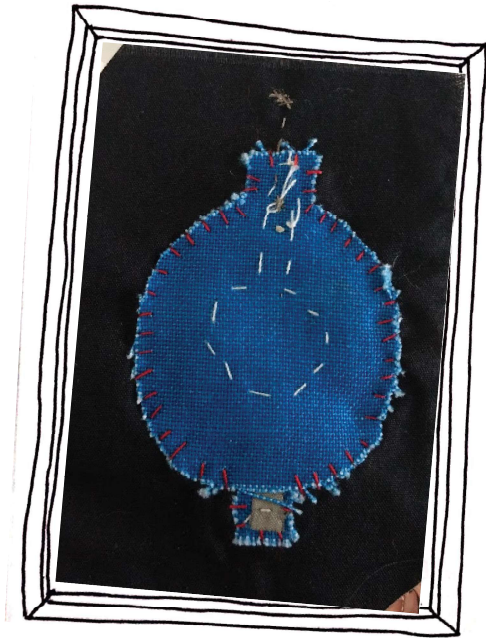


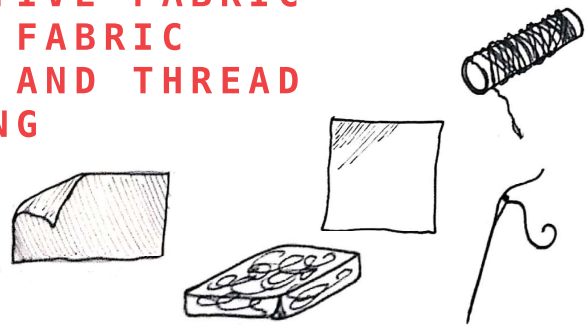
Fabric Button



The fabric button is a simple two-state button which is made from textiles. It has two connecting points (positive and negative) which allows it to be integrated into a circuit.

What you need:

CONDUCTIVE THREAD
CONDUCTIVE FABRIC
NORMAL FABRIC
NEEDLE AND THREAD
STUFFING



How it Works

Test by connecting the button to the tester circuit. The LED should light up when you push down on the button.

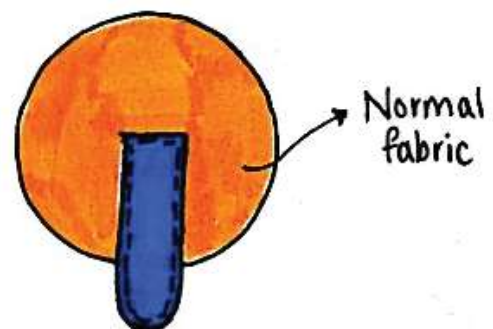
This is because, when pushed, the two pieces of conductive fabric make contact through the layer of stuffing. This completes the circuit so the current can run through and the LED can light up.

STEP 1

Cut a circle (or the shape you wish your button to be) out of normal fabric.

Cut a piece of conductive fabric in the shape as shown, which will reach the middle of the circle and the end poking out.

Sew or glue into place, on the back of the normal fabric.



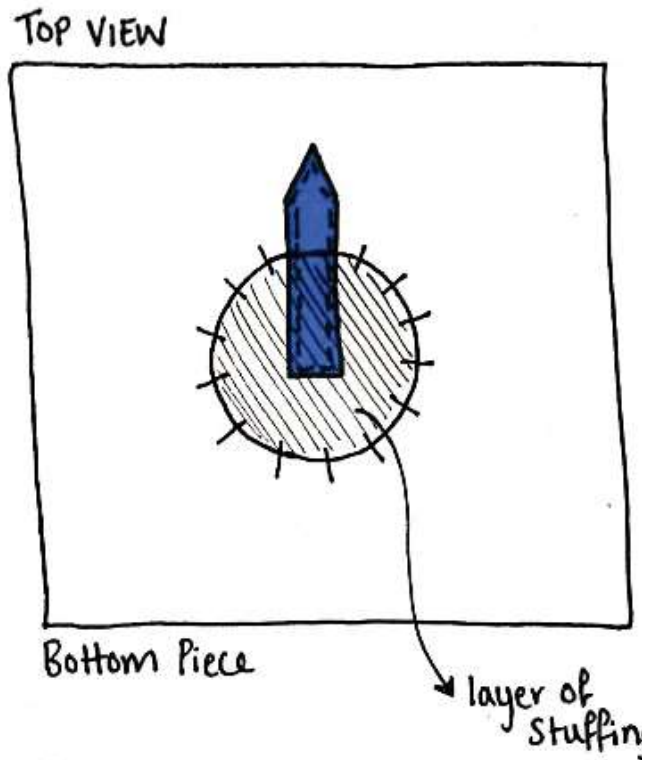
STEP 2

Next, cut another piece of conductive fabric in the shape shown.

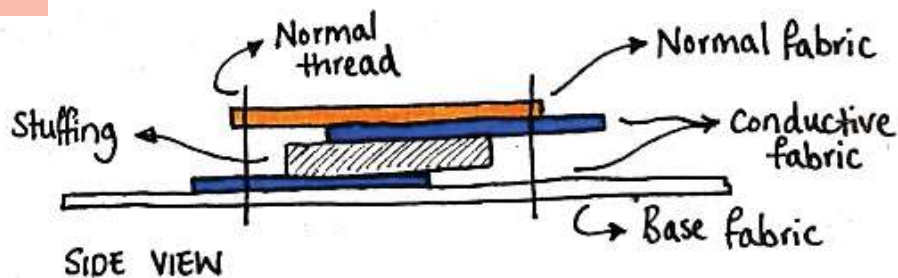
Sew or glue where your button will be on your base fabric (the end will be in the centre of your button).

Cut out a circle of stuffing (very thin) which is slightly smaller than the size of the button you want.

- Normal thread
- - - - - Conductive thread
- Orange Normal fabric
- Blue Conductive fabric



STEP 3



Position the piece you made in Step 1 on top of the stuffing.

Make sure that it is aligned correctly like shown. The ends of the conductive fabric should be pointing out at the ends.

Before sewing up around the edges, test that it works with your test circuit.

When you push on the button the LED should light up. If it doesn't your layer of stuffing may be too thick and you should remove some.

Sew up your button around the outside of the fabric.

