

2

LED WITH COIN CELL



Manual for Soldering Kit Activities

STEP 1:

In this activity, we will learn to connect an LED with a coin cell.

STEP 2:

The items required for this activity are as follows:



STEP 3:

Insert the coin cell holder in the Vero board as shown in the picture:



STEP 4:

LED has two terminals; Longer Leg is the Positive (+ve) Terminal and the smaller leg is the Negative (-ve) Terminal.



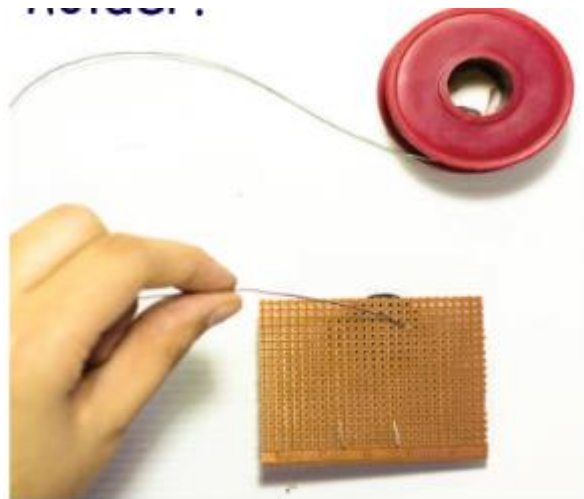
STEP 5:

Place your LED inside the Vero Board. Positive side of the LED is connected to the Positive side and vice versa.



STEP 6:

First Carefully hold the solder like a pencil and place it at one pin of the coin cell holder and start touching the wire with the solder's tip.



STEP 7:

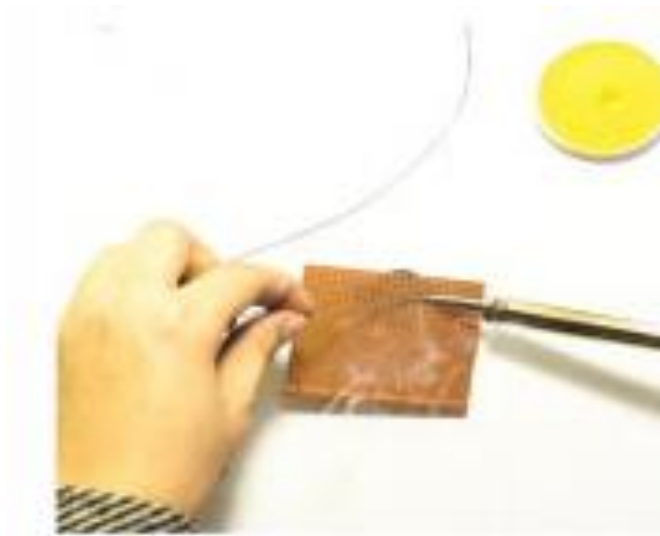
Flip your board and start soldering the right side of your coin's cell holder.



STEP 8:

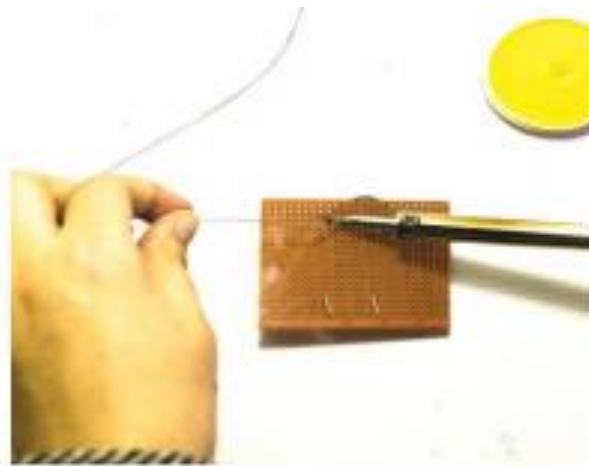
First place the solder iron's tip at the right side of the coin holder and carefully touch the solder wire with it. On touching the wire, it will melt on the pin and solidify on it.

Warning: Be very careful while you are working with solder iron. Its temperature is very high. Always hold it with the plastic handle.



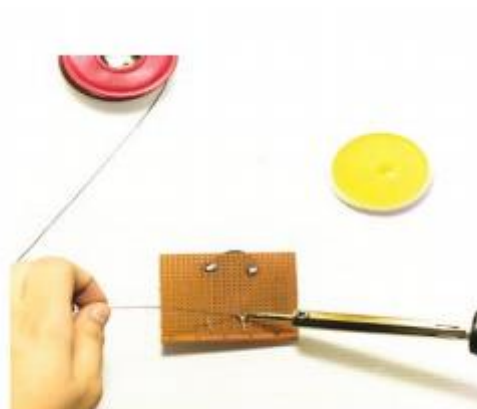
STEP 9:

Similarly solder the left side of the coin cell holder.



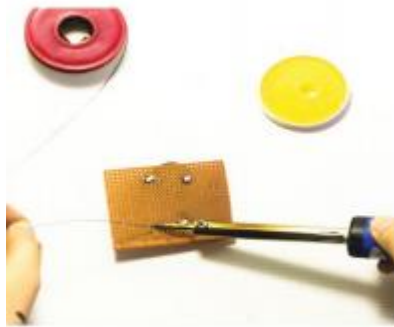
STEP 10:

When you are done soldering the coin cell holder, solder the LED with your Vero Board.



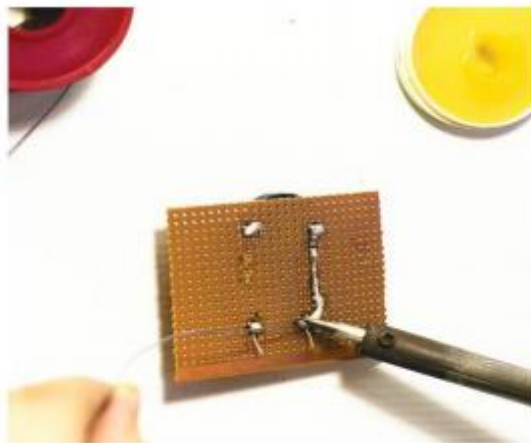
STEP 11:

Similarly Solder the left side of the LED.



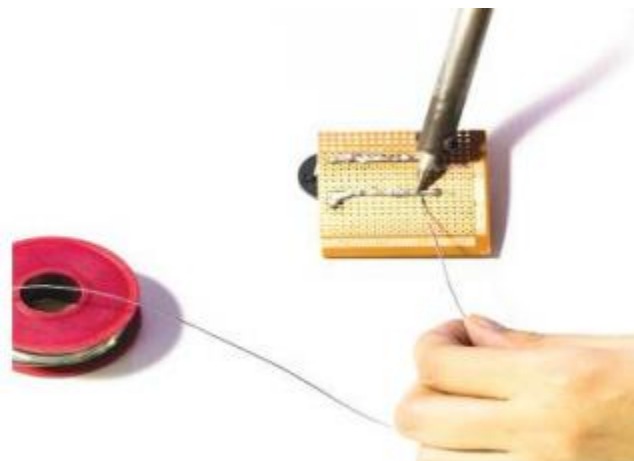
STEP 12:

It's time to make the connections and complete the path of the circuit by melting the solder wire along a vertical line. In this way you are connecting one pin of the LED with one pin of the Coin cell holder.



STEP 13:

Make similar connections on the left side of the board.



STEP 14:

At the end, place your cell in the cell holder. The Led will light up.

