

## Wearables with LED's and the micro:bit

### What you need

- LED's
- micro:bit and battery pack
- conductive thread
- needle
- scissor
- crocodile clip cables

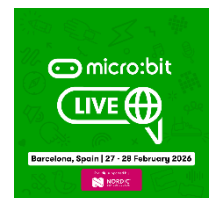


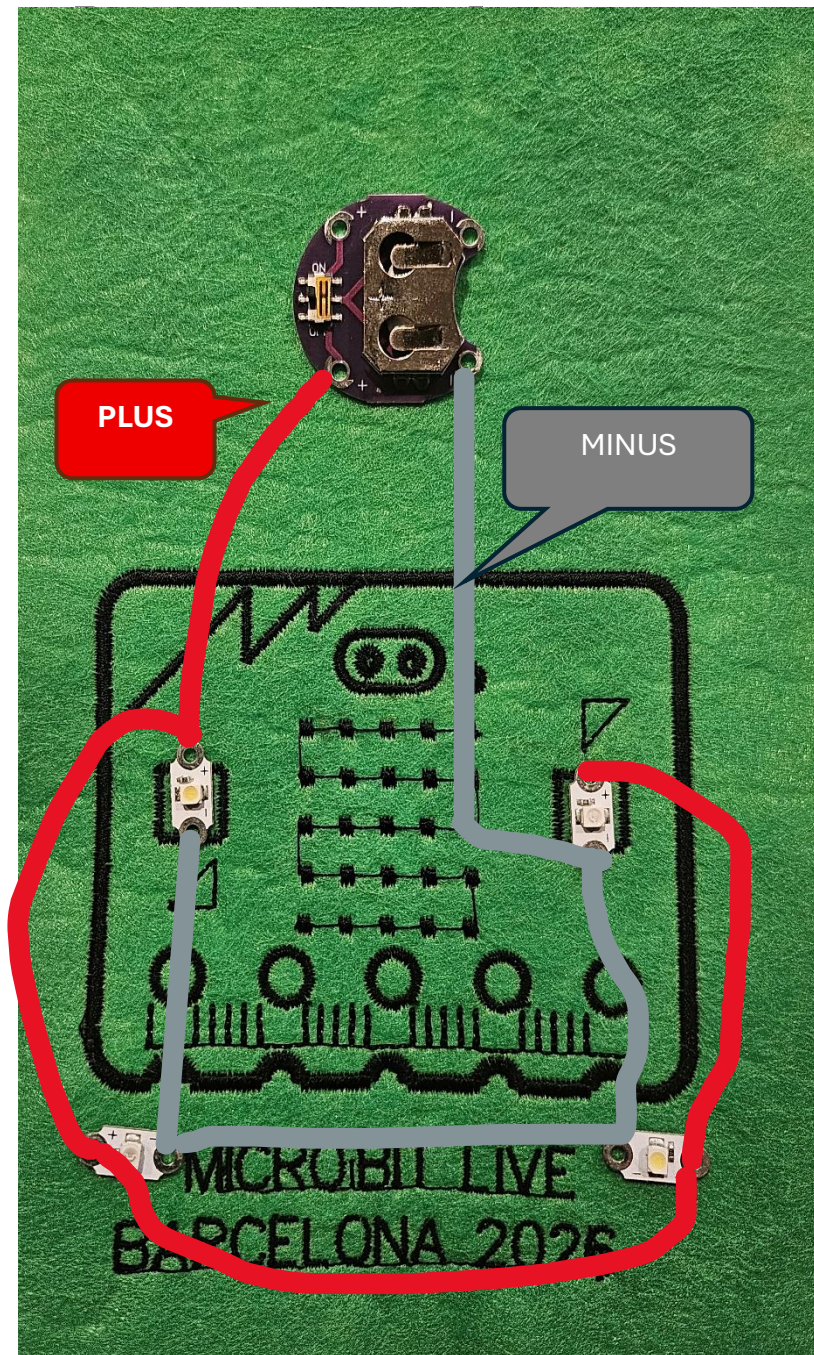
### Step by step

1. Look at plus and minus of the LEDs
2. Put them on your pattern
3. Put the micro:bit where you want it
4. Code the micro:bit
5. Draw lines how you connect the LEDs to the micro:bit
6. Make sure the different circuits don't touch each other
7. Use the conductive thread to attach the circuits
8. Test the circuits with a crocodile clip cable
9. When it works, attach the conductive thread to the micro:bit

### Challenge

- Do more coding
- Attach an extra LED
- Make an other circuit





## Wearables with LED's and coin cell

### What you need

- LED's
- Coin cell battery pack and a coin cell
- conductive thread
- needle
- scissor
- crocodile clip cables



### Step by step

1. Look at plus and minus of the LEDs
2. Put them on your pattern
3. Put the coin battery where you want it
4. Put in the coin battery (not too deep)
5. Draw lines how you connect the LEDs to the coin cell battery pack
6. Make sure the plus and minus don't touch each other
7. Use the conductive thread to attach the circuits
8. Test the circuits with a crocodile clip cable
9. When it works, attach the conductive thread to the coin cell battery pack

### Challenge

- Can you also put the coin cell battery pack at the back?
- What will change then?
- Can you attach an extra LED?

