

# Update your Torch

4º E.S.O. Colegio San José



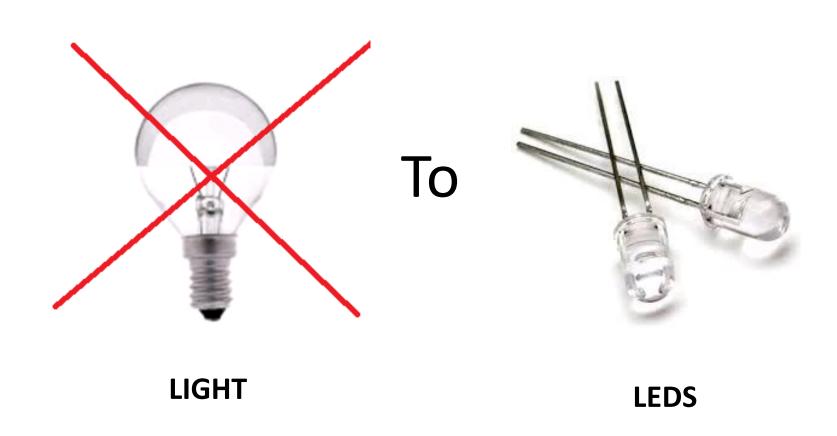
#### We start from:



#### Whose elements inside are the following



# And we want to change



#### STEP 1 Know your new item

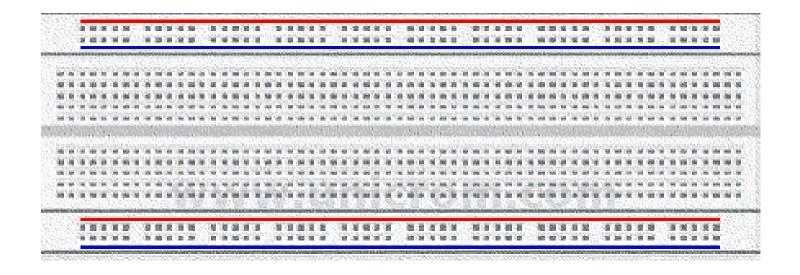
Leds work between 3-4 volts

 Our bateries are not enough, so we should have to change them:

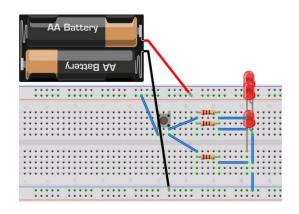
It gives us 5 volts.

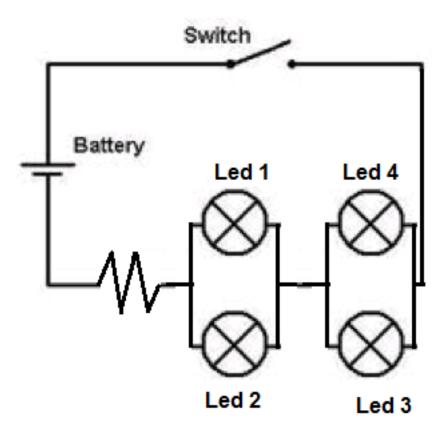


### STEP 2 -Test our circuit in a protoboard

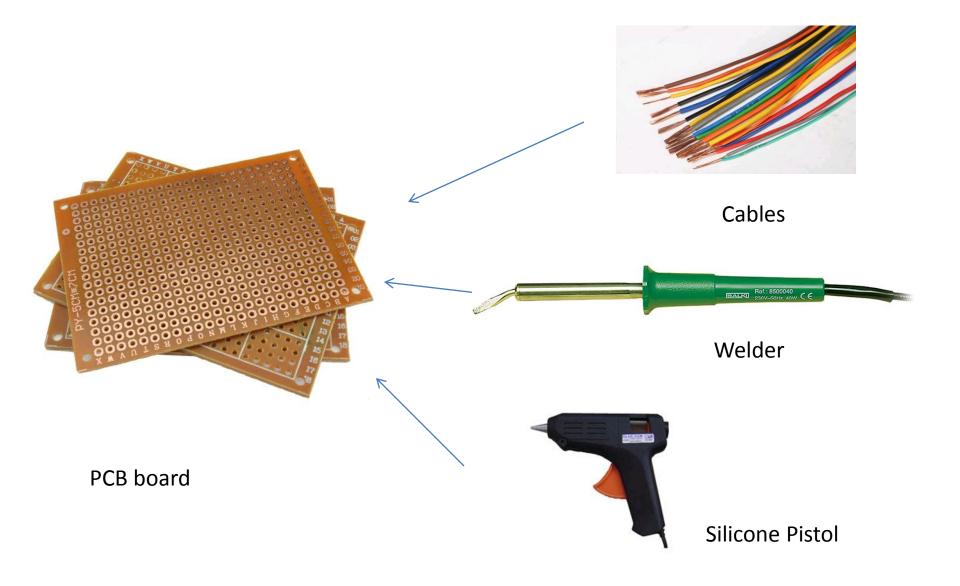


#### Our circuit





## Step 3 – Put it in a permanent board



# Step 4: Put it all in our Torch

We have to connect everything in our Torch.



## And we will get our new Torch

 It doesn't iluminate so much because our leds are not very good.... But it was fun to learn how to build it!!!!

