LIGHT SENSOR

python™

CoderDojo
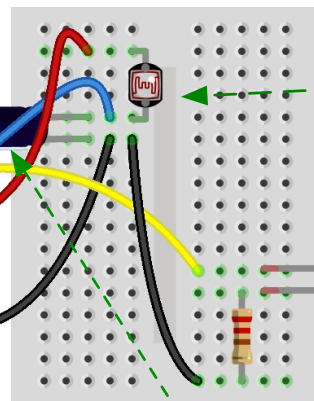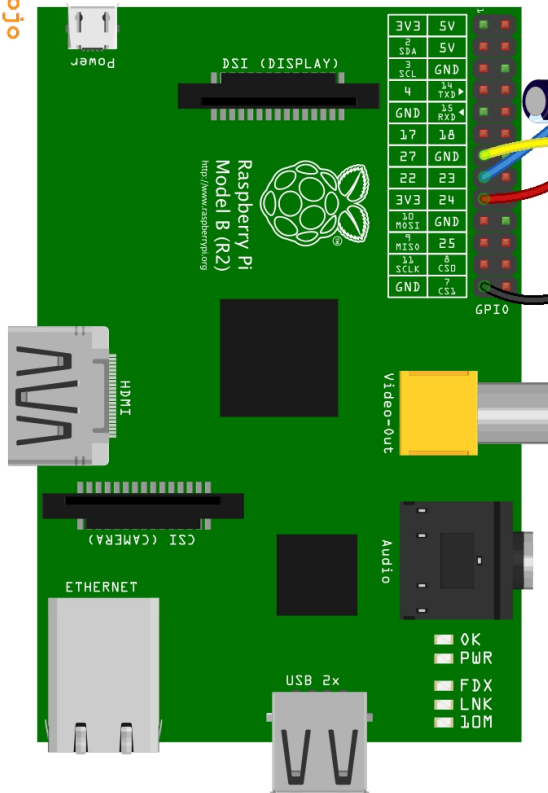0
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LDR

Raspberry Pi Model B (R2)
http://www.raspberrypi.org

0.47uf capacitor
(white stripe side/short
leg goes to gnd)

13

fritzing

```python
from gpiozero import LightSensor, LED
import time

#set the value of threshold depending
# on how bright it is in the room
s = LightSensor(22,threshold=0.5)

l = LED(27)

# Turn LED on when it gets dark
s.when_dark = l.on
# Turn it off when it gets light
s.when_light = l.off
try:
    while True:
        # print the brightness level
        # - useful for adjusting threshold
        print(s.value)
        time.sleep(0.2)

# Type ctrl+c to exit
except KeyboardInterrupt:
    print('Byeeee')
```