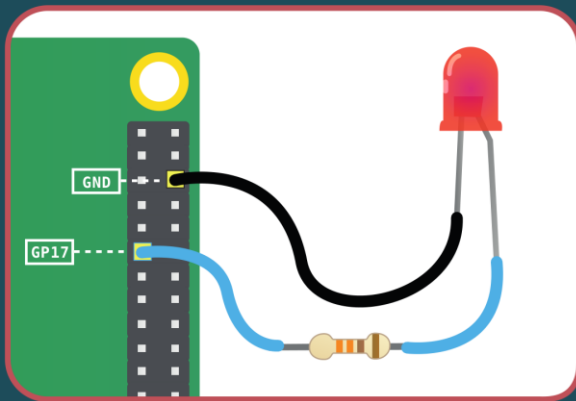


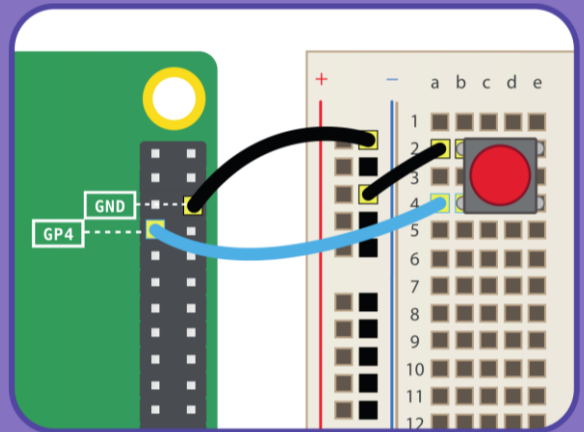
# KIT DE SURVIE : RPi.GPIO et GPIOZERO

[www.tomczak.fr](http://www.tomczak.fr) et [framboiseetcompagnie.fr](http://framboiseetcompagnie.fr)

## LED



## BP



## Avec RPi.GPIO

```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setmode(GPIO.BCM)
led = 17
GPIO.setup(led, GPIO.OUT)
GPIO.output(led, 1)
sleep(1)
GPIO.output(led, 0)
sleep(1)
```

```
import RPi.GPIO as GPIO
from time import sleep
GPIO.setmode(GPIO.BCM)
bouton = 4
GPIO.setup(bouton, GPIO.IN, pull_up_down=GPIO.PUD_UP)

while True:
    sleep(1)
    if (GPIO.input(bouton) == 0):
        print('BP On')
    else:
        print('BP Off')
```

```
import RPi.GPIO as GPIO
GPIO.setmode(GPIO.BCM)
led = 17
bouton = 4
GPIO.setup(led, GPIO.OUT)
GPIO.setup(bouton, GPIO.IN,
pull_up_down=GPIO.PUD_UP)

while True:
    if (GPIO.input(bouton) == 0):
        GPIO.output(led, 1)
    else:
        GPIO.output(led, 0)
```

## Avec gpiozero

```
from gpiozero import LED
from time import sleep
led = LED(17)
led.on()
sleep(1)
```

```
led.off()
sleep(1)
```

```
from gpiozero import Button
from gpiozero import LED
led = LED(17)
bouton = Button(4)
```

```
while True:
    if bouton.is_pressed:
        led.on()
    else:
        led.off()
```

```
from gpiozero import Button
from time import sleep
bouton = Button(4)
```

```
while True:
    sleep(1)
    if bouton.is_pressed:
        print('BP On')
    else:
        print('BP Off')
```