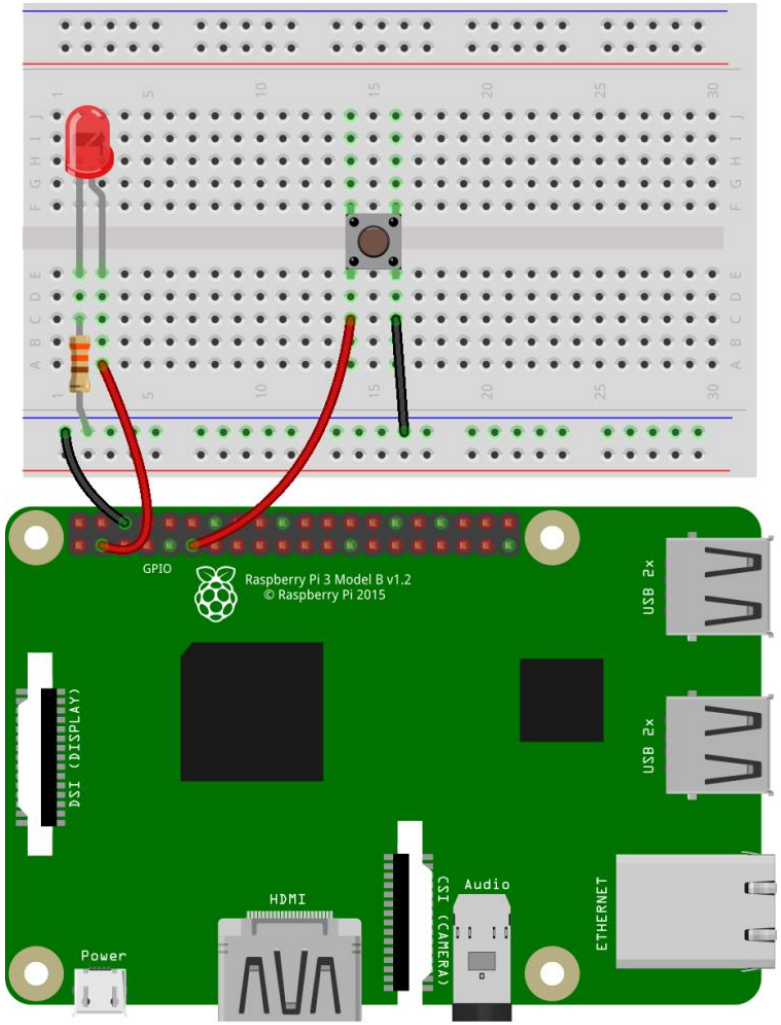
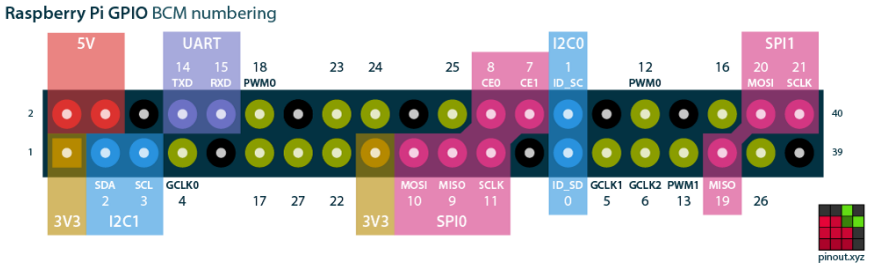
BUTTON INPUTS: LEARN RESOURCE

BUILD THE CIRCUIT



GPIO REFERENCE



YOU WILL NEED

- RASPBERRY PI
- BREADBOARD
- 1 RED LED
- 1 BUTTON
- 4 MALE TO FEMALE WIRES
- 1 330Ω RESISTOR
- SCREEN, KEYBOARD, MOUSE

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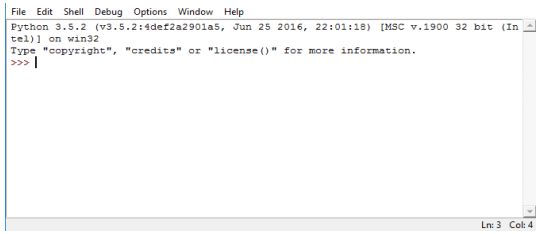
MAIN ACTIVITY

1. On the top right hand corner of your screen, click the Raspberry Logo then select programming and then Python 3. You should now see the Python Shell window.



2. Now, click file then new file. In the new window select File then Save As and call it buttoninputs.py .

Let's Code

3. Lets get coding. You will need the NEW Edupython library installed. Check out our website guide.

4. Press CTRL+S on your keyboard to save the file. Then press F5 on your keyboard to run the code. You should see the 3 leds blink 5 times. The for loops specifies how many times to blink. To stop the code press CTRL+C on your keyboard to stop it.

Not Work? Look at our troubleshooting guide on the website.

```
from edupython import kit1
import time

kit1.button.pressed()

for i in range(5):
    kit1.red.led.on()
    time.sleep(1)
    kit1.red.led.off()
   time.sleep(1)
```