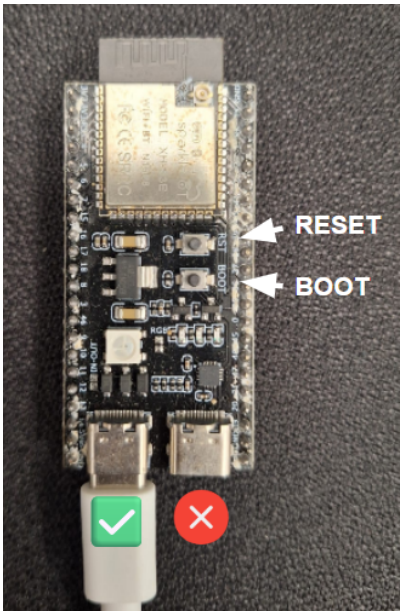
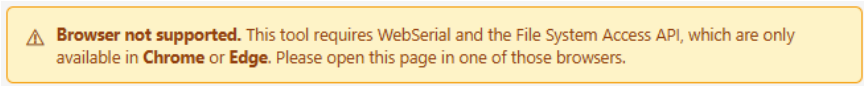
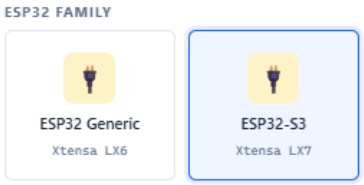
ESP32-S3 MicroPython setup procedure



1. Connect the ESP32-S3 using the USB port as shown
2. Press and HOLD DOWN the BOOT button while inserting the USB cable into the computer
3. Open https://code.pbaumgarten.com/esptool
4. Assuming you are actually using Chrome or Edge, ignore this message

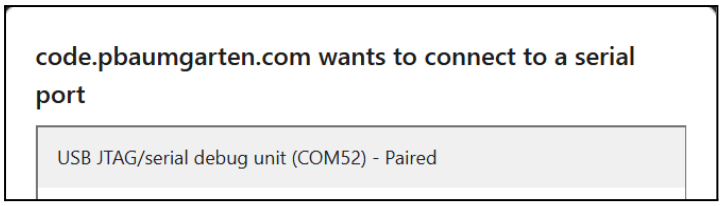
   

5. Click ESP32-S3

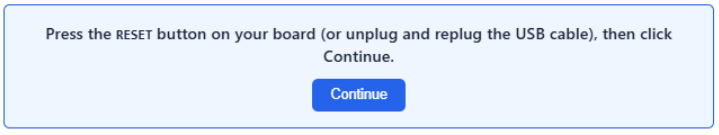
   

6. Click 

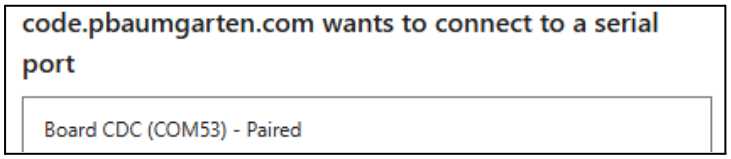
7. In the popup box, select the USB device called JTAG/Serial and click Connect

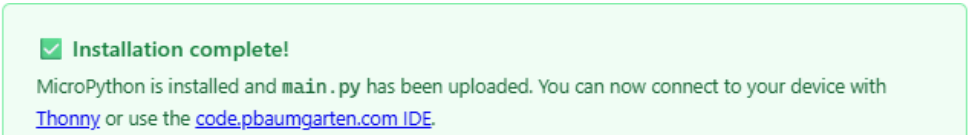
8. Scroll down to watch the progress. When it asks, press the RESET button on the ESP32 and then click Continue

9. In the popup box, select the CDC Board and click Connect

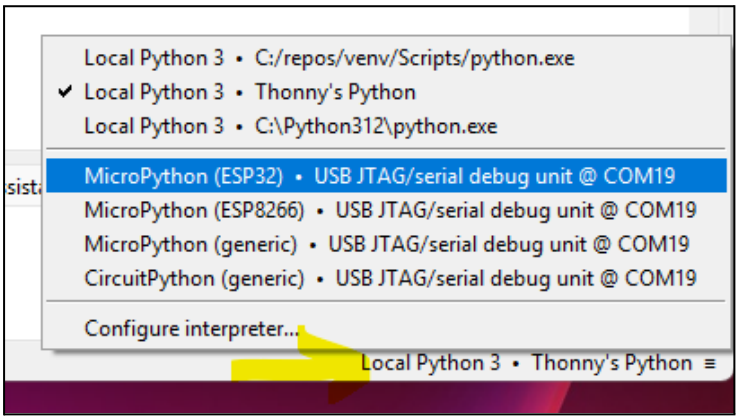
   

10. "Installation complete!"

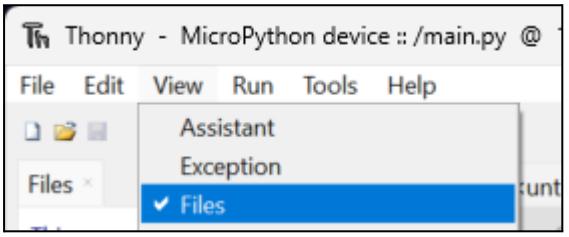
    

11. Open Thonny

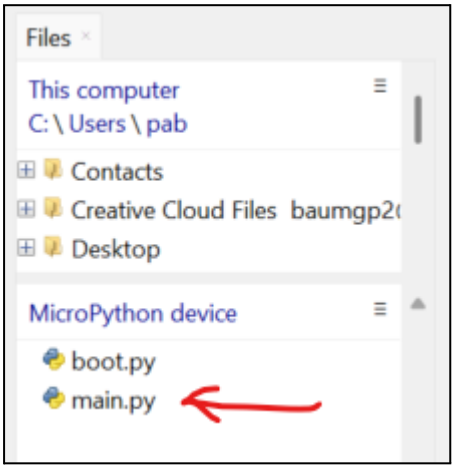
12. Bottom right corner of Thonny - Click the Python selection menu. A menu similar to the below will appear. Select the MicroPython (ESP32) option.



13. Select View / Files in the Thonny menu



14. In the left panel that appears, find the MicroPython device and double click on main.py



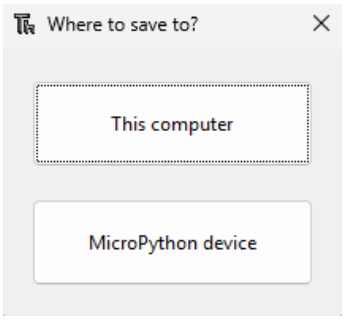
15.
16. Create the following test program in Thonny

```
import machine
import neopixel
import time

led = neopixel.NeoPixel(machine.Pin(48), 1)
print("Police lights!")
for i in range(10):
    led[0] = (255,0,0)
    led.write()
    time.sleep(0.25)
    led[0] = (0,0,255)
    led.write()
    time.sleep(0.25)
print("Ready")
```

17. Select FILE / SAVE

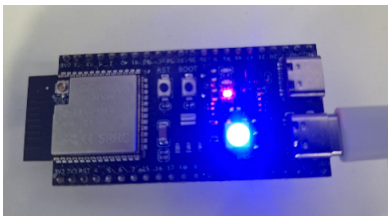
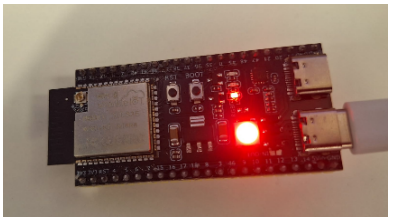
18. Select the MicroPython device option



19. Name the file **`main.py`**

20. Click RUN.

21. The onboard Neopixel should alternate blue and red 10 times. Congrats!

Now invent your own ESP32 MicroPython project!!