

## **Shower of Fears - Part 1**

### **Setting up a Thermal Printer**

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#### Components:

- Arduino Uno
- Tiny Thermal Receipt Printer (<https://www.adafruit.com/product/2751>)
- Female DC Power adapter (<https://www.adafruit.com/product/368>)
- 5V 2A (2000mA) switching power supply (<https://www.adafruit.com/product/276>)

#### Hardware Setup:

- First connect the data cable of the Tiny Thermal Printer to the Arduino, the data cable has 5 wires but only 3 need to be connected:
  - Black = Ground, connect to ground
  - Green = data IN to the printer, connects to digital pin 6
  - Yellow = data OUT of the printer, connects to digital pin 5
- Attach the Female DC Power adapter to the power cable on the printer
- Next connect the power adapter to the 5V power supply and power supply to an outlet
- You should see a red blinking light which indicates the printer is working
- Now all your hardware is setup!

#### Software Setup:

- Scan the QR code below for the Arduino code for this project
- This project requires you to download the following libraries in the Library Manager:
  - Adafruit Thermal Printer Library (for Printer)
- Upload the FearPart1.ino to your Arduino and you should be ready to go!

Congratulations! Now you know how to setup one Thermal Printer!

The printer should print out a QR code that will take you to the instructions of the full project!