**Python Project Planning**

* Two Workstreams
  1. Setup Raspberry Pi Python Environment on Headless Old Pi
  2. Inventr.io Kit and Class

**Workstream 1 – Raspberry Pi Python Environment**

* Setup Headless Pi
  + SSH
  + VNC
  + Git
  + Python
* Plan and Execute Some Exercises
  + 1
  + 2
  + 3
  + 4
* PDCA

**Workstream 2 -- Inventr.io Kit and Class**

* Order Kit **-- Complete**
* Upload Notes **-- Complete**
* Start Course
* Develop Schedule
  + Receive Kit
  + Sign Up
  + Post WBDS
  + Build Plan
* Set-Up Resources
  + Drivers (if necessary): [inventr.io/drivers](http://inventr.io/drivers)
  + Libraries: [inventr.io/libraries](http://inventr.io/libraries)
  + Fritzing parts (to make your own diagrams): [inventr.io/fritzing](http://inventr.io/fritzing)
  + Anything else: [inventr.io/downloads](http://inventr.io/downloads)
* WBDS
  + 0-Getting\_Started
  + 1-Traffic\_Light\_Simulator
  + 2-Morse\_Code\_Machine
  + 3-Pico\_Night\_Light
  + 4-Reaction\_Time\_Tester
  + 5-Simon\_Says\_Memory\_Game
  + 6-Binary\_LED\_Counter
  + 7-LED\_With\_Brightness\_Control
  + 8-Pico\_Temperature\_Reader

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#### Windows Drivers

* [Click here to download the Windows CH340 Driver](https://learn.inventr.io/wp-content/uploads/DriversPage/WINDOWS-INVENTR-USB-DRIVERS.EXE)
* Install and run the .exe
* In the Arduino IDE when the HERO board is connected you will see a COM Port in the Tools > Serial Port menu, the COM number for your device may vary depending on your system

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## Fritzing Parts for Adventure Kit: 30 Days Lost In Space

Fritzing is an open-source software designed for creating clean and professional wiring diagrams.

 [HERO Board](https://learn.inventr.io/wp-content/uploads/2024/01/HeroBoard.fzpz_.zip)



 [Dip Switch](https://learn.inventr.io/wp-content/uploads/2024/01/HeroBoard.fzpz_-1.zip)



 [4x4 Keypad](https://learn.inventr.io/wp-content/uploads/2024/01/Generic-4x4-Keypad.fzpz_.zip)



 [128x64 OLED](https://learn.inventr.io/wp-content/uploads/2024/01/OLED-128x64-I2C-Monochrome-Display.fzpz_.zip)



 [TM1637 7-Segment Display](https://github.com/inventrdotio/30DaysLostInSpace/raw/main/Devices/FritzingParts/4%20Digit%207%20Segment%20Display.fzpz)



* [Passive Buzzer](https://github.com/inventrdotio/30DaysLostInSpace/raw/main/Devices/FritzingParts/Passive%20Buzzer.fzpz)

## How to Install:

* Visit fritzing.org and install the software.
* Open Fritzing to find built-in components like buttons and LEDs.
* Download the parts you’d like above.
* Right-click the parts tab to import and use extra components.