

RASPBERRY PI BASICS

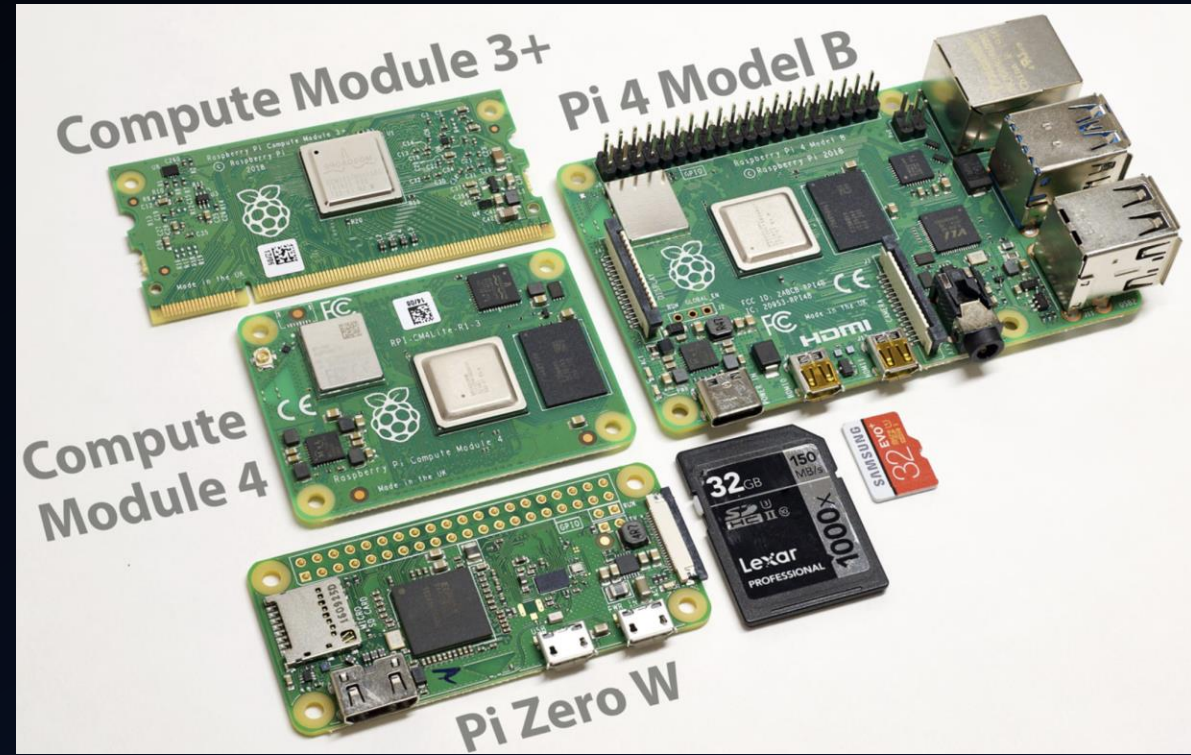
LAKE SUPERIOR COLLEGE 2022

GenCyber

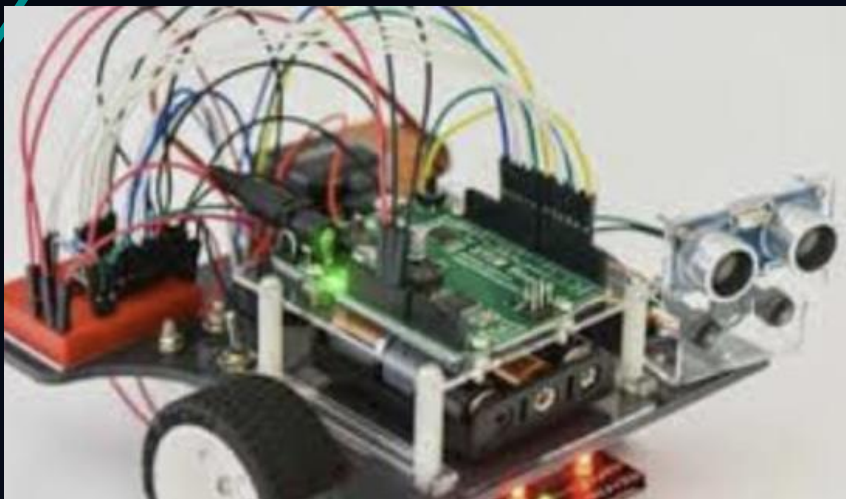
Inspiring the Next Generation of Cyber Stars

A pie?

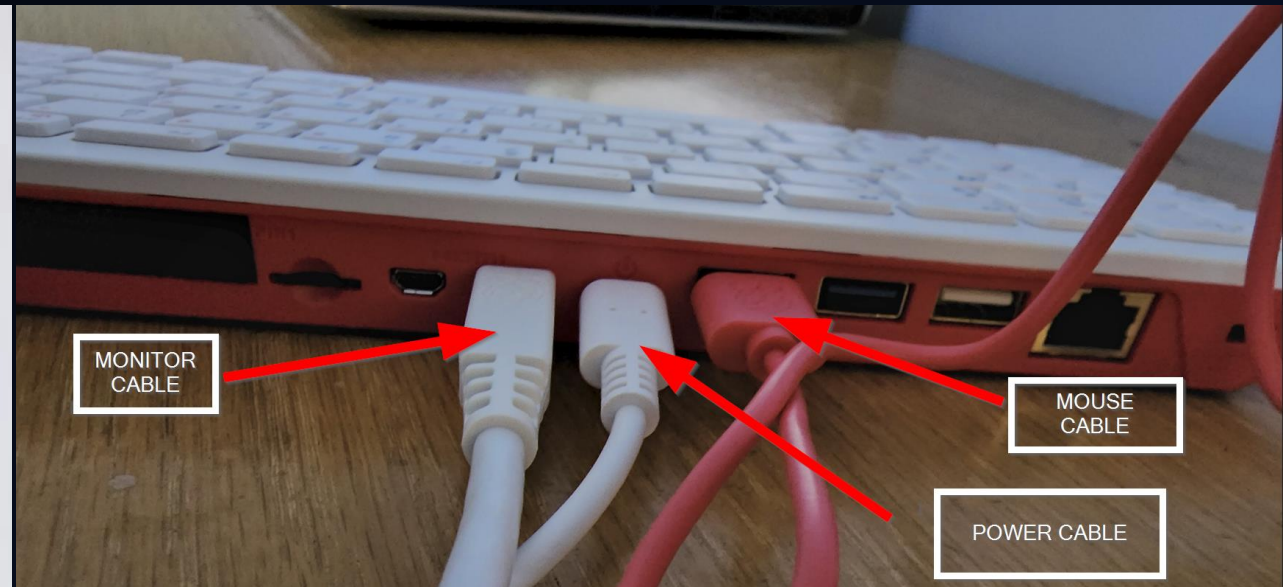
- Small and low cost computer
 - \$5 to \$70
 - Quad Core Processor, 4GB RAM, and dual monitor capable
- Built by Raspberry Pi Foundation in the UK
- Extremely versatile
 - Thousands of walkthroughs online
 - Very active community support



Potential Pi's



Assembly-Unbox and Connect Cables



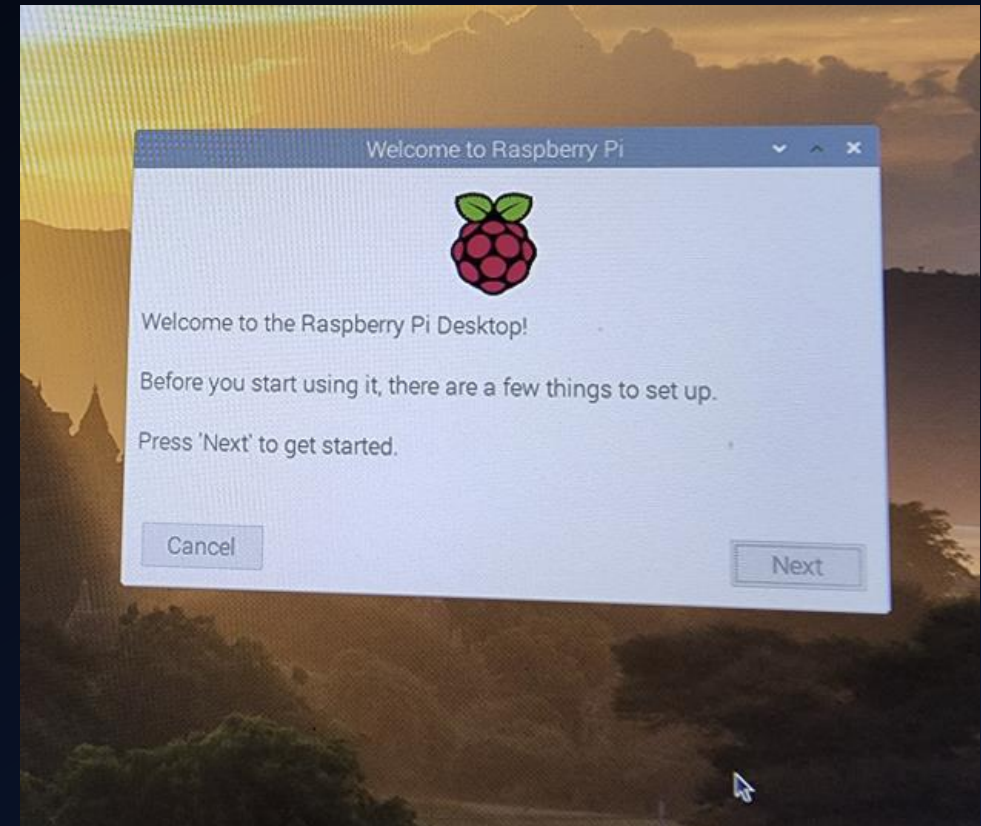
Setting Up

- Can follow the step outlined in the book from page 32 to 53
- We'll do this shortly in the labs



Power On

- Power "Button" is the FN key + F10
- Will take a minute
- Should boot to this screen



Initial Setup – Setup Wizard



Welcome to Raspberry Pi

Set Country

Enter the details of your location. This is used to set the language, time zone, keyboard and other international settings.

Country: United States

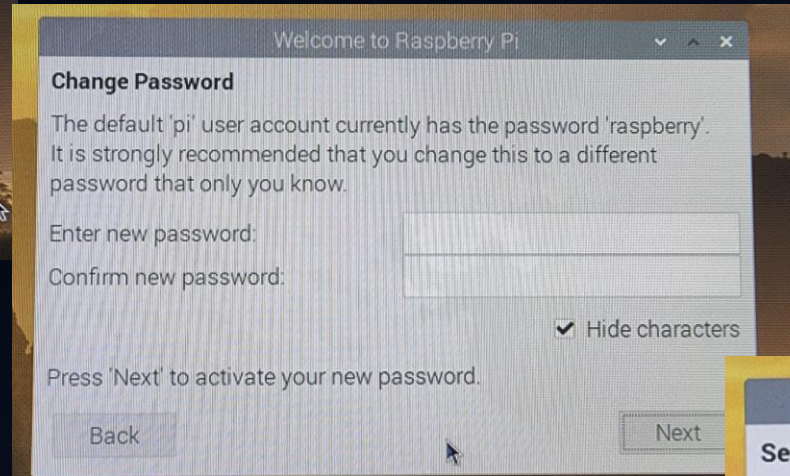
Language: American English

Timezone: Chicago

☒ Use English language ☒ Use US keyboard

Press 'Next' when you have made your selection.

Back Next



Welcome to Raspberry Pi

Change Password

The default 'pi' user account currently has the password 'raspberry'. It is strongly recommended that you change this to a different password that only you know.

Enter new password:

Confirm new password:

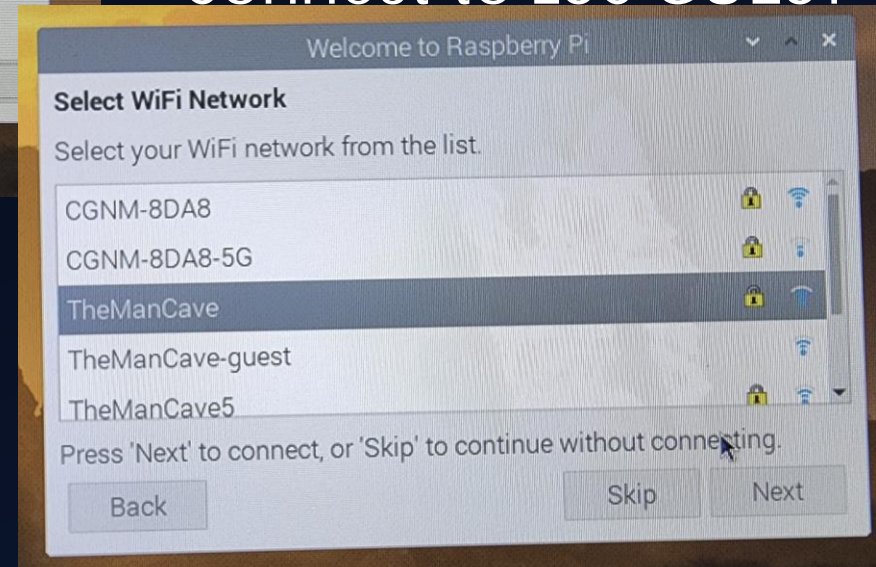
☒ Hide characters

Press 'Next' to activate your new password.

Back Next

Write the password on your box










Connect to LSC GUEST



Welcome to Raspberry Pi

Select WiFi Network

Select your WiFi network from the list.

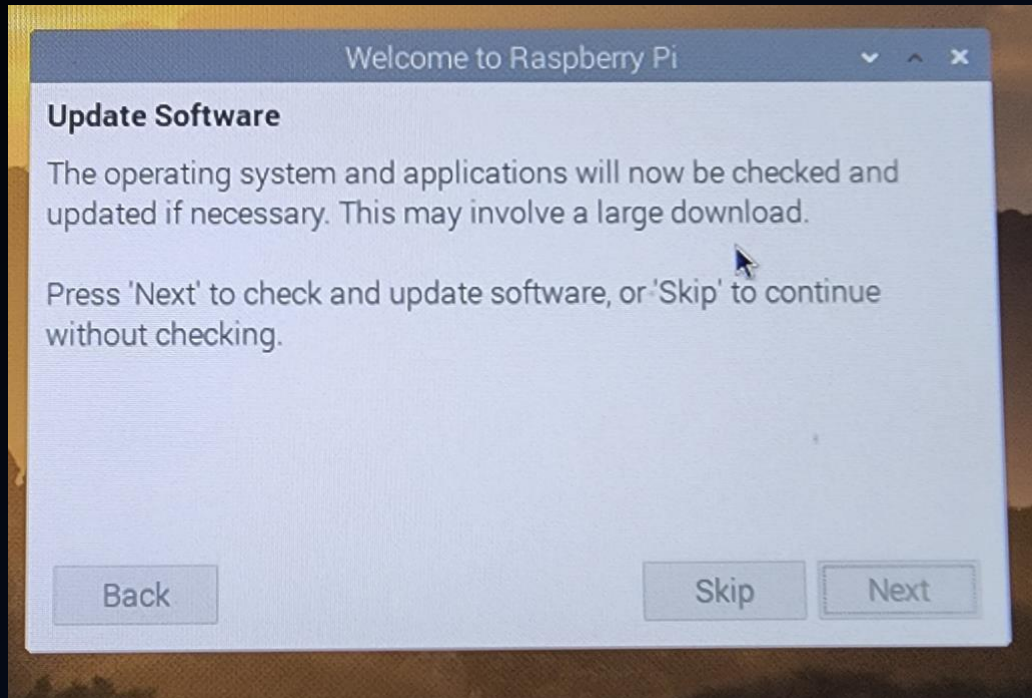
CGNM-8DA8		
CGNM-8DA8-5G		
TheManCave		
TheManCave-guest		
TheManCave5		

Press 'Next' to connect, or 'Skip' to continue without connecting.

Back Skip Next

Initial Setup – Setup Wizard

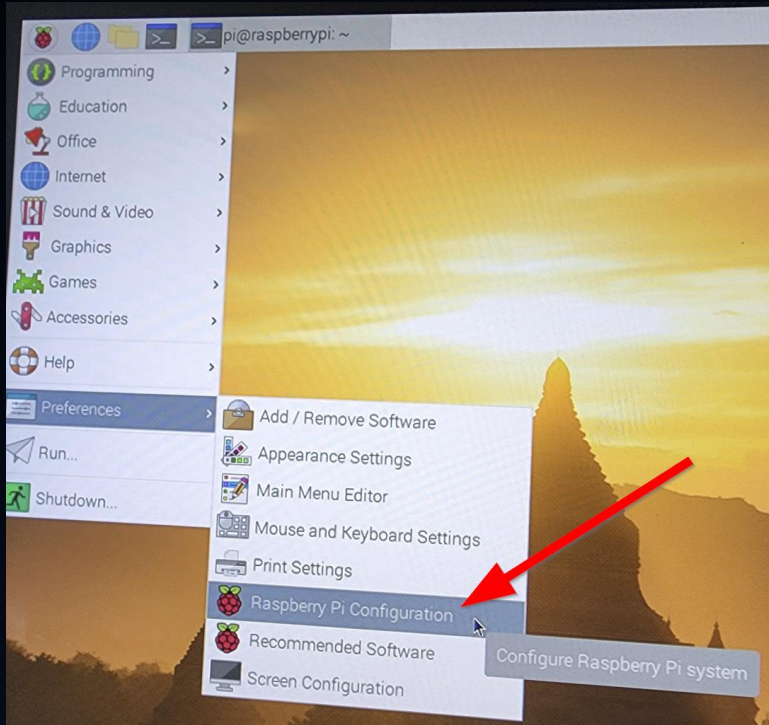
- Update:



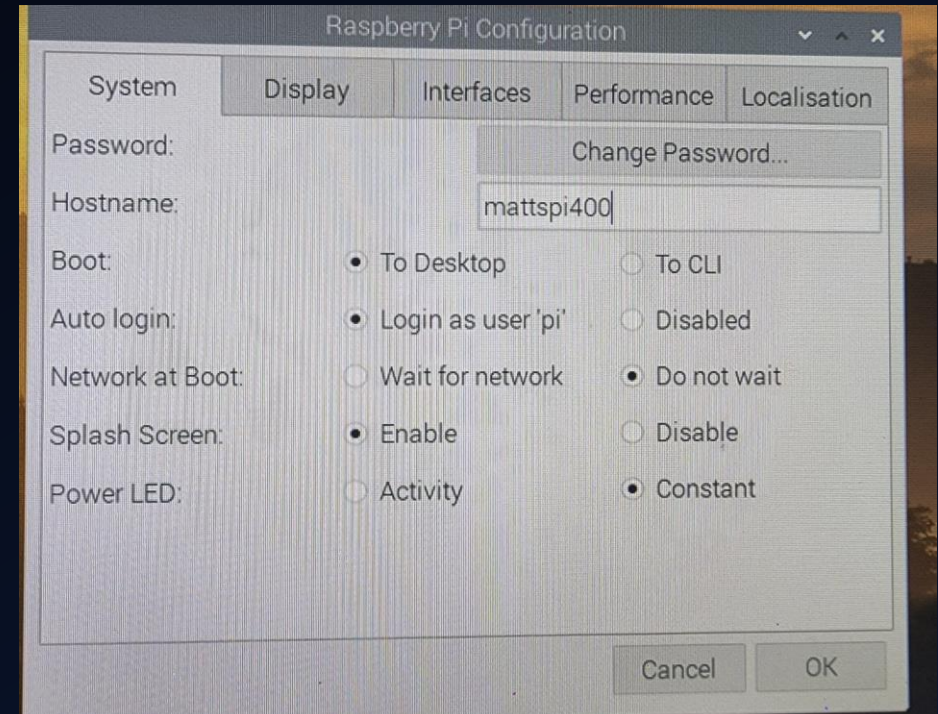
CLICK FINISH! Done with the first step!

Setup New Hostname

- Open the Raspberry Pi Configuration page:



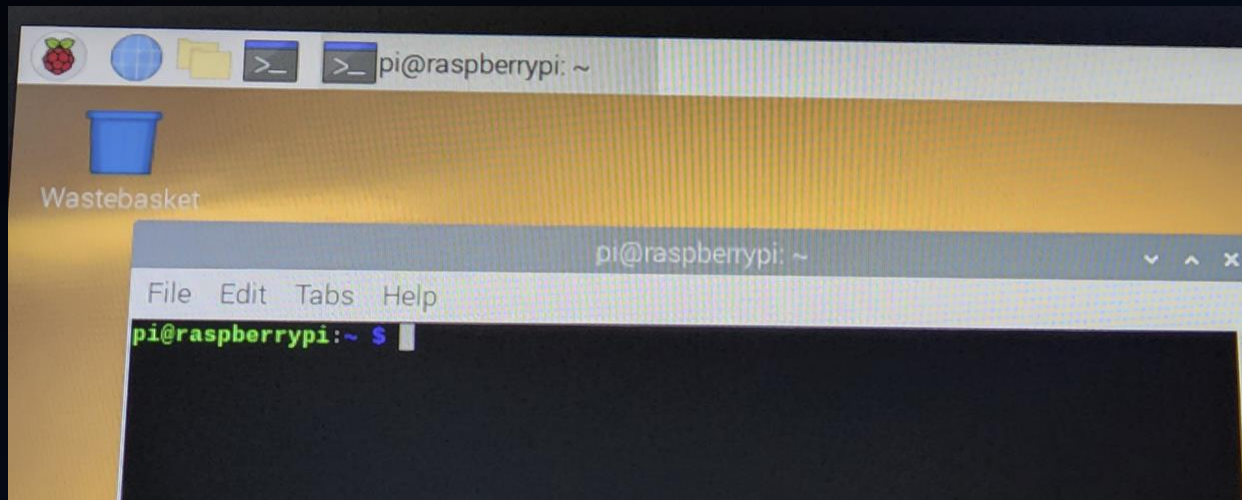
Choose a new
hostname



NOW REBOOT!

Start Updating the Operating System

- Open a Terminal



- Type in the following and hit enter: `sudo apt-get --allow-releaseinfo-change update`
- Type in the following and hit enter: `sudo apt-get upgrade`

Challenge Activity (if time permitting)

- ACTIVITY: Change your bash prompt to include the current IP address so it looks similar to this:

```
-[10.10.14.58]—[htb-ac38767@pwnbox-base]—[~]
```