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| Cambridge Raspberry Jam | |
| Name |  |
| Age |  |
| Parent |  |

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| Beginners worksheet #1 | |
| Project | Printing to the screen |
| Description | Run your first python program “hello world” |

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| Tools required | | | |
| □ Raspberry Pi + SD card |  | □ Monitor + HDMI Cable |  |
| □ Keyboard & Mouse |  | □ Power supply |  |
| Setting up your pi | | | |
| 1. Find your Raspberry Pi. 2. Plug in the SD card. 3. Plug in the HDMI cable into the Pi and the monitor. 4. Plug in the keyboard into the USB ports 5. Plug in the mouse into the USB ports 6. Plug in the power cable | |  | |
|  | | 1. **When all wired up it should look like this.** | |
| 1. Type in users name “pi” 2. Type in password “raspberry” 3. Type “startx” this will load the graphical user interface | |  | |
|  | | 1. **Graphical user interface has loaded** 2. **Double click on “LXTerminal”** 3. **This will load the “terminal”** 4. **Type the follow commands** 5. **“cd Desktop”** 6. **“mkdir gpio\_python\_code”** 7. **“cd gpio\_python\_code”** 8. **“touch 1\_helloworld.py”** 9. **“sudo nano 1\_helloworld.py”** 10. **Now enter the code below** | |
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| Code |
| TURN OFF THE LEDS “1\_helloworld.py”  #!/usr/bin/python  #Print Hello world  print "Hello World!" |
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| 1. Once complete “Ctrl + x” then “y” then “enter” 2. To run the python code “sudo python 1\_helloworld.py 3. You will see it print “Hello World!” to the screen |