

# Installing Minecraft

Difficulty: Easy

1. Start up your pi...
2. If you don't see it load to a desktop, you'll need to type the following command and hit Enter to move to the desktop:  
`startx`
3. Open up a terminal (you can do this by double-clicking the black box with white text in).
4. Next we need to install Minecraft. You may already have Minecraft installed however we need a version that we can hack! Run the following commands (hitting Enter between each command):
  - a. `wget --trust-server-names http://bit.ly/picraft`
  - b. `tar -zxvf minecraft-pi-0.1.1.tar.gz`
  - c. `cd mcpi`
  - d. `./minecraft-pi`
5. You're done!

To run Minecraft in the future:

- a. `cd ~/mcpi`
- b. `./minecraft-pi`

## Running some python scripts!

Difficulty: Intermediate (although you don't need to have any prior knowledge!)

1. Make sure you're running Minecraft and in a world!
2. We need to move to the correct directory:

```
cd ~/mcpi/api/python
```

3. Let's write our own script!

```
idle HelloWorld.py
```

```
import mcpi.minecraft as minecraft
import time
mc = minecraft.Minecraft.create()
mc.postToChat("Hello Minecraft World")
time.sleep(5)
```

4. Save this script and run via the 'Run' menu.
  5. Watch "Hello Minecraft World" appear!
  6. But it does get more interesting... Let's download some "we made earlier"...
- ```
wget www.aidenthompson.co.uk/minecraft/fun.zip
unzip fun.zip
```
7. We can run each of these by opening them using the 'idle filename.py' command and run them in a similar manner to the previous script.

For more instructions and scripts:

[www.stuffaboutcode.com/p/minecraft.html](http://www.stuffaboutcode.com/p/minecraft.html)

You can download this worksheet at:

[www.aidenthompson.co.uk/minecraft/worksheet.pdf](http://www.aidenthompson.co.uk/minecraft/worksheet.pdf)