

Bite Size Learning

Getting Started

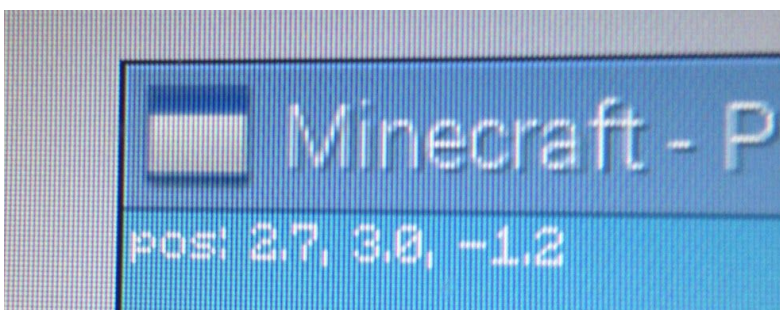
- Open Minecraft from the **Menu** under **Games**
- Select **Start Game** and **Create new**
- Minecraft will display “**Generating world - Building terrain**”

Get a feel for the 3D world

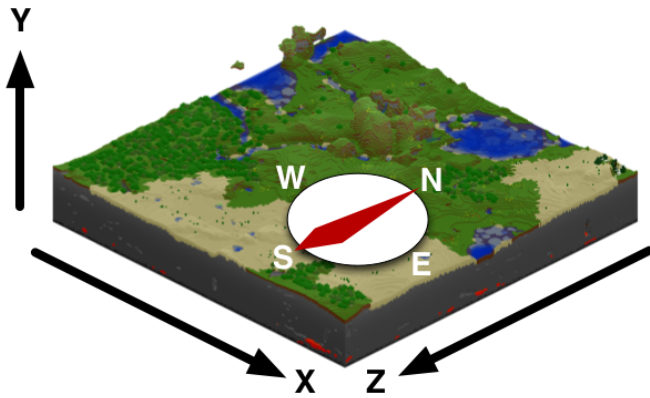
- Move around using the *keyboard controls*
 - W** (forward)
 - S** (backward)
 - A** (step left)
 - D** (step right)
 - Space** (Jump)
 - Double Space** (Fly and Sink)
 - Tab** - release mouse to select other programs (Python)
- Look around using the *mouse*
 - Scroll mouse wheel to select sword or bricks
 - Break block (**left click**)
 - Place block (**right click**)

Find your 3D coordinates

- Look in the upper left corner of your Minecraft screen and you should see **pos:** followed by three numbers (**x, y, z**)



Learn how direction works in Minecraft



[Minecraft Wiki](#)

X = east / west (longitude)

- To move east (positive) increase the x value
- To move west (negative) decrease the x value

Y = elevation (range from 0 to 255)

- To move toward the sky (positive) increase the y value
- To move toward the ground (negative) decrease the y value

Z = north / south (latitude)

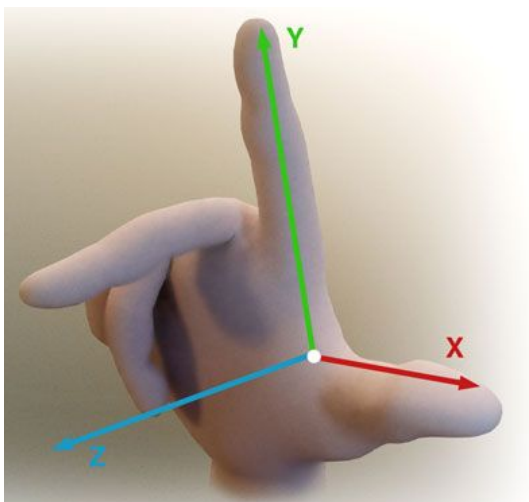
- To move south (positive) increase the z value
- To move north (negative) decrease the z value

Use your right hand as a guide

X = Thumb (points east)

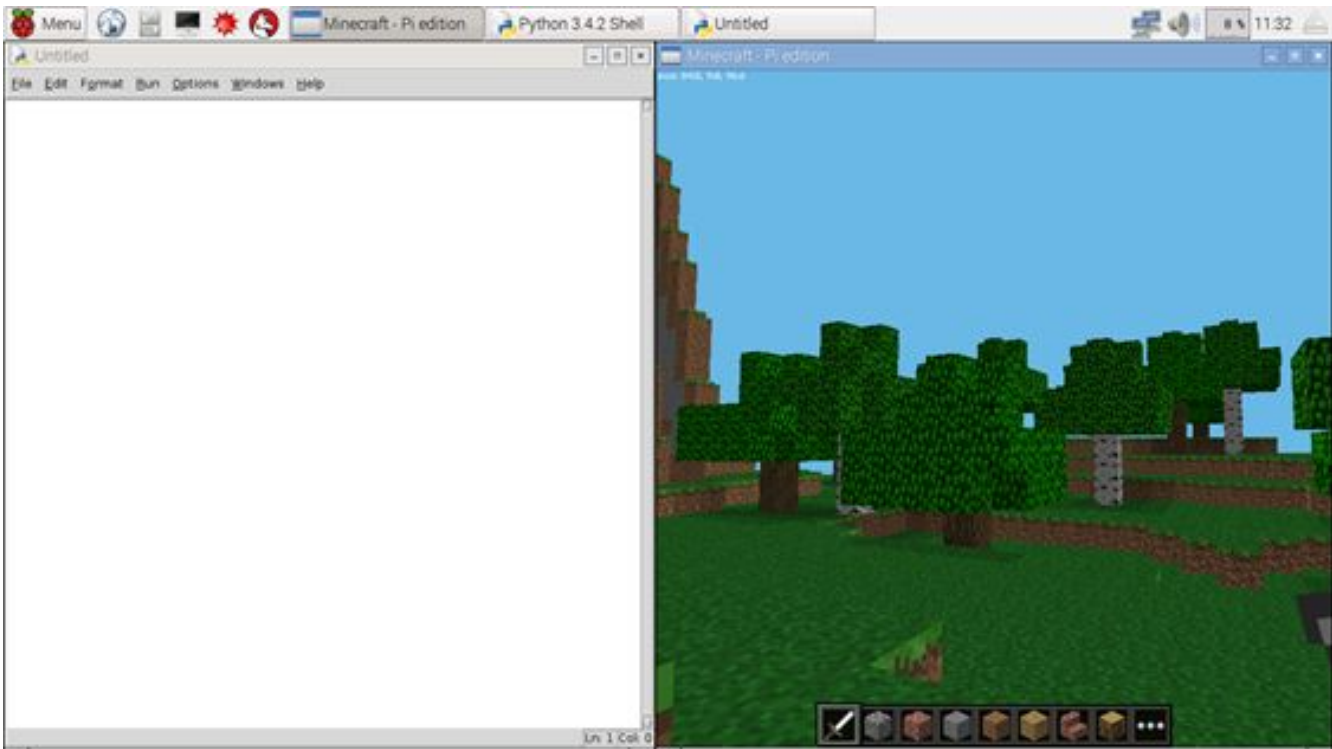
Y = Index (points toward the sky)

Z = Middle (points south)



Control your player with code

- Press tab to release your mouse from Minecraft but leave the game open
- Open Python 3 (IDLE) from the **Menu** under **Programming**
- Double-click and open the Teleport.py file on your desktop or open with the using File > **Open**
- Run the code by pressing **F5** or selecting **Run > Run Module**
- The program printed your current location
- Delete the # sign from the last line of code
- Save by pressing **CTRL + S** or by selecting File > **Save**
- Double-click and open the “Teleport.py” file on your desktop or open using File > **Open**
- Run the code by pressing F5 or selecting **Run > Run Module**
- Experiment with moving in different directions with the keyboard and altering your location by changing the numbers in the Python file



Get step by step guides from Raspberry Pi go to: rpf.io/learn and look for: Getting started with Raspberry Pi, Getting started with Minecraft Pi, Python Intro, Minecraft selfies, Exploring space with Minecraft, Sense Hat Minecraft Map, Minecraft Photobooth, Create a “whack-a-block” game in Minecraft.