

INSTALLING MINECRAFT

1

Download from here:
<http://pi.minecraft.net/>

Store the file in this folder:
/home/pi

Unzip like this:
`tar -zxvf minecraft-pi-0.1.1.tar.gz`

Run like this:
`cd mcpi`
`./minecraft-pi`

MCPI(1)

MINECRAFT

+ RASPBERRY PI

+ PYTHON

```
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```

MAKING A CONNECTION

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Make sure you are in /home/pi/mcpi/api/python

1. start lterminal
`cd mcpi/api/python`

2. create your script
`nano test1.py`

```
import mcpi.minecraft as minecraft  
mc = minecraft.Minecraft.create("localhost")
```

3. run minecraft then run your script
`python test1.py`

```
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```

```
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```

SENDING A TEXT MESSAGE

3

```
import mcpi.minecraft as minecraft  
mc = minecraft.Minecraft.create("localhost")
```

```
msg = "Hello world"  
mc.postToChat(msg)
```

```
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```

COORDINATES

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x = forward and backward
y = up and down
z = left and right

WHERE ARE YOU?

5

```
import mcpi.minecraft as minecraft
import time
mc = minecraft.Minecraft.create("localhost")

while True:
    time.sleep(1.0)
    pos = mc.player.getPos()
    print pos.x, pos.y, pos.z
```

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CHANGING YOUR POSITION

6

```
import mcpi.minecraft as minecraft
mc = minecraft.Minecraft.create("localhost")

mc.player.setPos(0, 0, 40)
```

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CREATING A BLOCK

7

```
import mcpi.minecraft as minecraft
from mcpi.block import *

mc = minecraft.Minecraft.create("localhost")

x = 38 # vertical
y = 0 # height from sea level
z = 7.7 # horizontal
mc.player.setPos(x, y, z)

mc.setBlock(x, y, z, GLOWING_OBSIDIAN)
mc.setBlock(x, y, z+2, GLOWING_OBSIDIAN)
mc.setBlock(x, y, z+4, GLOWING_OBSIDIAN)
```

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DELETING A BLOCK

8

```
import mcpi.minecraft as minecraft
from mcpi.block import *

mc = minecraft.Minecraft.create("localhost")

x = 38 # vertical
y = 0 # height from sea level
z = 7.7 # horizontal
mc.player.setPos(x, y, z)

mc.setBlock(x, y, z, AIR)
```

CONNECTING TO A DIFFERENT PI

9

Grab the ip address of the other pi like this:
(open Ixterminal)
ifconfig
(read out the IP address of the Pi)

Then change the address in the connection:

```
import mcpi.minecraft as minecraft
mc=minecraft.Minecraft.create("192.168.1.3")
```

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WEB RESOURCES

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Download minecraft pi:
<http://pi.minecraft.net/>

Everything about minecraft Pi
<http://mcpipy.wordpress.com/>

Lots of example scripts
<https://github.com/brooksc/mcpipy>

Wiki
http://www.minecraftwiki.net/wiki/Pi_Edition

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MORE FLASHCARDS

<http://blog.whaleygeek.co.uk>

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FLASHCARDS - LICENCE TO USE

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