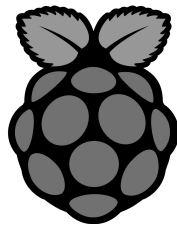


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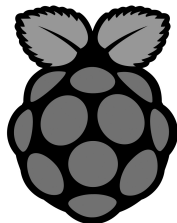


PI AND MINECRAFT

Today we are going to learn how to control minecraft through the Phyton coding language.

Things we will learn

- What is Phyton ?
- What can it do ?
- What do i need to know?
- How do i get the code ?
- How do i control minecraft ?



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Simple Minecraft Commands

Say Hello

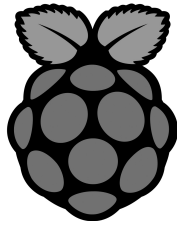
```
from mcpi.minecraft import Minecraft  
  
mc = Minecraft.create()  
  
mc.postToChat("Hello world")
```

Teleport Player

```
x, y, z = mc.player.getPos()  
mc.player.setPos(x, y+100, z)
```

Set Multiple Blocks - Big Cube

```
stone = 1  
x, y, z = mc.player.getPos()  
mc.setBlocks(x+1, y+1, z+1, x+11, y+11, z+11, stone)
```



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Final Project

How to build a full castle with moat in minecraft in 20 secs

Open a terminal window and type in this command

```
wget https://bitbucket.org/MattHawkinsUK/rpisky-misc/raw/master/minecraft/castle.py
```

when minecraft is running open a terminal window and type in this command

```
python castle.py
```