

MineCraft Python Scripts

Discover

Control the MineCraft world with Python scripts. Imagine changing many parts of the world by running just one script. Build a giant tower or a long bridge with valuable blocks.

Learn

Hint: use the Escape key to gain control of the mouse from MineCraft.

There is existing python code that helps to communicate with the minecraft world, they here “/home/pi/mcpi/api/python/mcpi”.

We'll be placing our new scripts in the directory above.

As in PY2-Intro, open IDLE then “File → “New Window”.

Now save it as “hello.py” inside “/home/pi/mcpi/api/python/”

Every script will need to have the following lines to connect your script to the other .py files:

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

“IPADDRESS” is one from another world (MC1-Network), or “127.0.0.1” for your own world.

Apply

With the first 4 lines in place, you can now write code to manipulate the MineCraft world.

For example add the following two lines to send a message to the world:

```
mc.postToChat("Hello from YOURNAME!")
time.sleep(5)
```

Now Run the module (saving and fixing if needed)

Return to MineCraft to see the results (click to get mouse control back).

Press Tab to free the mouse when done.

Teach

Join in the worlds of others to send them messages.

Discover

MC3-Python: Do more things in MineCraft with Python, like changing blocks in front of you.