

10 min programming challenge!

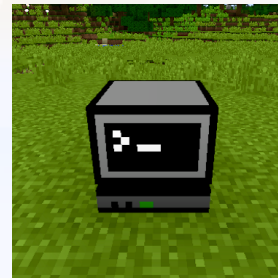
Use Python in Minecraft!



How many programming tasks can you complete in 10 minutes?

TASK 1

1. Find and right-click the computer block



2. Drag the yellow and blue item called **helloworld** to your inventory (*this is called a SCRIPT, scripts contain lines of code*)



3. Close the computer by pressing **E**
4. Right-click with the script in your hand, what happens?

5. Next, we'll look at the script itself, first pause the game by pressing **Esc**

6. Now look on the right hand side of your screen and click the file called **helloworld.py** (*this is the same script as before, except now we can see the code!*)

7. Find the line that says **mc.postToChat("Hello World!")** (*this is called a FUNCTION, functions tell the computer what to do*)

8. Change "**World**" to "your name" and then save the file

9. Repeat steps 1, 2, 3, and 4. What changed?

TASK 2

Now we'll try something a bit **BIGGER**...

1. From the computer block, take the script called "text_to_blocks", and drag it to your inventory



2. Press **E** to exit and with the script in your hand, right-click and see what happens...
3. Pause the game by pressing **Esc** and load the file called **text_to_blocks.py**

4. Now find the lines that say:
word = "NGCM"
colour = "black"
and change them to your name and favourite colour (*these are called variables and give the computer important information*)

5. After saving the file, repeat steps 1 and 2 again, what changed this time?

TASK 3

Now let's try building a shelter...

