









House Building Challenge

- 1. Build your first "Hello World" Minecraft Pi / Python programme by copying Minecraft Flash Card 3 to post a message in to the Minecraft world.
- 2. Start a new programme and make a single brick with Minecraft Flash Card 7 try changing the block type
- 3. Extend the single block programme to build a whole row of a wall you might want to use Python Flash Card 12 the "for" command
- 4. Further extend the single row of a wall programme to build a whole wall you'll need two "for" loops length of wall, and height
- 5. Replace the "for" loops with the Minecraft Pi function

mc.setBlocks(x0, y0, z0, x1, y1, z1, blockType, blockData)

- 6. How long / high is a wall? Use Python Flash Card 5 "raw_input" and "int" to build a wall where the user specifies the size
- 7. A house has four walls (generally!!) extend the single wall programme to build four connecting walls you might want to use Minecraft Flash Card 4 Coordinates to ensure the walls meet up.
- 8. Using the block types cheatsheet, change your four walled house programme to have a window, or more, and a door.
- Plant a garden by creating a separate programme that plants a flower behind you as you
 move about. You'll need to combine the single block programme from above and use the
 Minecraft Pi function

mc.getPos()

10. Go forth and build! Programme a garden city with different sized house and green spaces!!











Use the mouse to look around and use the following keys on the keyboard:

Key	Action
W	Forward
А	Left
S	Backward
D	Right
Е	Inventory
Space	Jump
Double Space	Fly / Fall
Esc	Pause / Game menu
Tab	Release mouse cursor