

# Minecraft ModderDojo!



# Minecraft ModderDojo



Not about playing!

- Playing will be discouraged
- Creating new features



This will NOT be easy!

- Lots of coding
- New things to learn



Experience required!

- Older ninjas, blue belts
- Minecraft knowledge

# What You Need



## Minecraft Account & Laptop

- At least 1 between 2
- PC, not Pocket Edition



## Understanding of:

- Editing files
- Files & folders on computer



## Ideas & imagination!

- Want to come up with new mods

# ScriptCraftJS



```
scraper.js
1  function scraper(floors, width)
2  {
3      floors = floors || 10; // default number of floors is 10
4      width = width || 10; // default width is 10
5      this.chkpt('skyscraper'); // saves the drone position so it c
6      for (var i = 0; i < floors; i++)
7      {
8          this.box(blocks.iron,width,1,width);
9          this.up();
10         this.box0(blocks.glass_pane,width,3,width);
11         this.up(3);
12     }
13     return this.move('skyscraper'
14 };
15
16 load("../drone/drone.js");
17 Drone.extend('scraper', scraper);
```



# From Last Year ...



# From Last Year ...



# Forge Mods in Java

The screenshot shows the Eclipse IDE interface for developing a Forge mod. The main editor window displays the `TestMod.java` file with the following code:

```
public void preInit(FMLPreInitializationEvent event) {  
    // Stub Method  
}  
  
@EventHandler // used in 1.6.2  
//@Init // used in 1.5.2  
public void load(FMLInitializationEvent event)  
{  
    proxy.registerRenderers();  
  
    ItemStack dirtBlock = new ItemStack(Block.dirt);  
  
    GameRegistry.addShapelessRecipe(  
        "x",  
        "x x",  
        "x", 'x', dirtBlock);  
}  
  
@EventHandler // used in 1.6.2  
//@PostInit // used in 1.5.2  
public void postInit(FMLPostInitializationEvent event)  
{  
    // Stub Method  
}
```

The console window at the bottom shows the following logs:

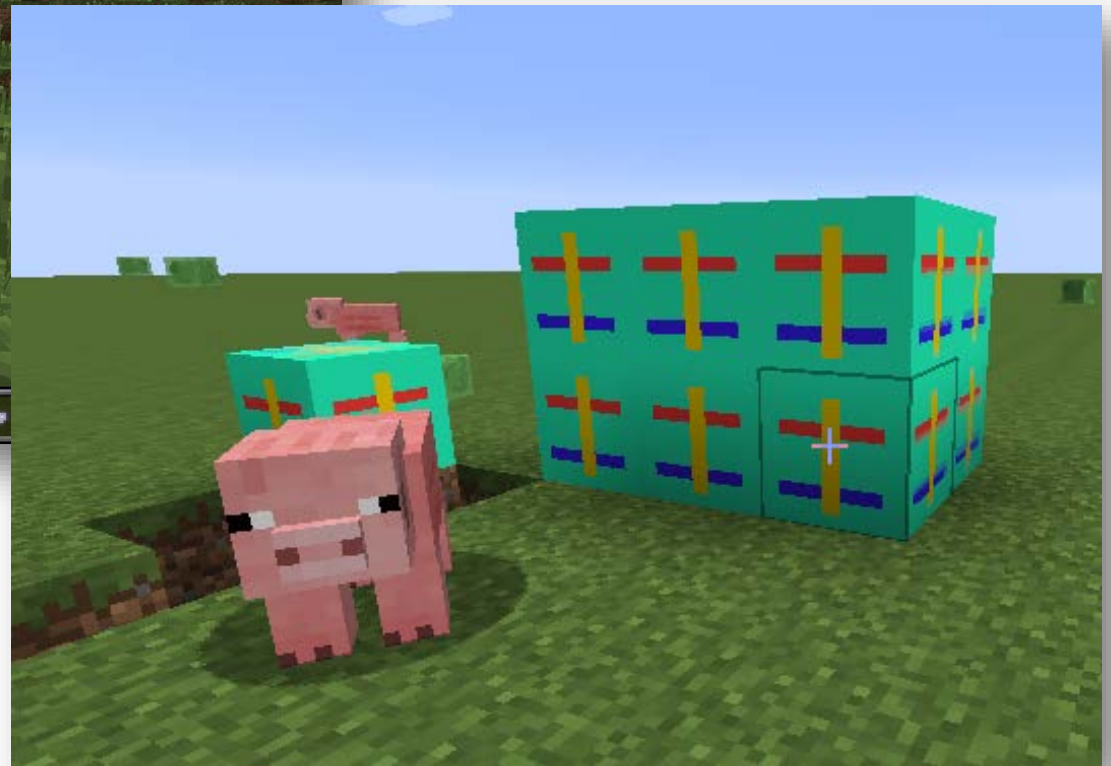
```
Client [Java Application] C:\Program Files\Java\jre6\bin\java.exe  
2013-09-28 10:03:26 [INFO] [STDOUT] Setting up custom skins  
2013-09-28 10:03:27 [INFO] [Minecraft-Server] Saving and pausing game...  
2013-09-28 10:03:27 [INFO] [Minecraft-Server] Saving chunks for level 'New World'/Overworld  
2013-09-28 10:03:28 [INFO] [Minecraft-Server] Saving chunks for level 'New World'/Nether  
2013-09-28 10:03:28 [INFO] [Minecraft-Server] Saving chunks for level 'New World'/The End
```

The status bar at the bottom indicates "Writable", "Smart Insert", and "57 : 29".

## Crafting



# From Last Year ...





# From Last Year ...



# Overall Goal



## Learn how to program

- JavaScript & Java
- Widely used languages



## Design new artifacts

- Recipes, items, blocks, plants
- Work in small groups or solo



## Make a large scale mod

- All of us collaborate
- Brainstorming and division of tasks