TEALS MINECRAFT PROJECT

Lecture 4: Blocks 2

MINECRAFT COORDINATES

Minecraft blocks all have a unique location *x*, *y*, and *z.*

X and *Z* are parallel to the horizon, and *Y* is up.

To determine the type of block at location *x*, *y*, *z*, use the following method:

```
Block block = world.getBlock(x,y,z);
```

To place a block at an arbitrary location, use this:

```
world.setBlock(x,y,z, blockType);
```

BLOCK TYPES

```
Blocks.air
Blocks.brick_block
Blocks.cake
Blocks.coal_block
Blocks.dirt
Blocks.glass
Blocks.gold_block
Blocks.grass
Blocks.lava
Blocks.sand
Blocks.stone
Blocks.tnt
```

TESTING FOR BLOCK TYPE

```
if (someBlock.equals(Blocks.dirt)) { … }


if (someBlock == Blocks.dirt) { … }
```

Both are equivalent.

LAB 4: CRYSTALS & INFECTIONS

That's about all you'll need for today's lab. Enjoy!