

How to Build a "Jeb" Door (Within a Mountain)

Note To Reader

This set of instructions should guide you along the process of creating something titled the "Jeb Door," which you will learn more about shortly. Each step should be following by reading the detailed steps and looking at the diagrams for extra guidance, along with the tips, notes, and warning for places of importance.

Note: The word "Suffocate" is used in this set of instructions only to inform that one could be hurt/damaged in game if too close to the machine when activated.

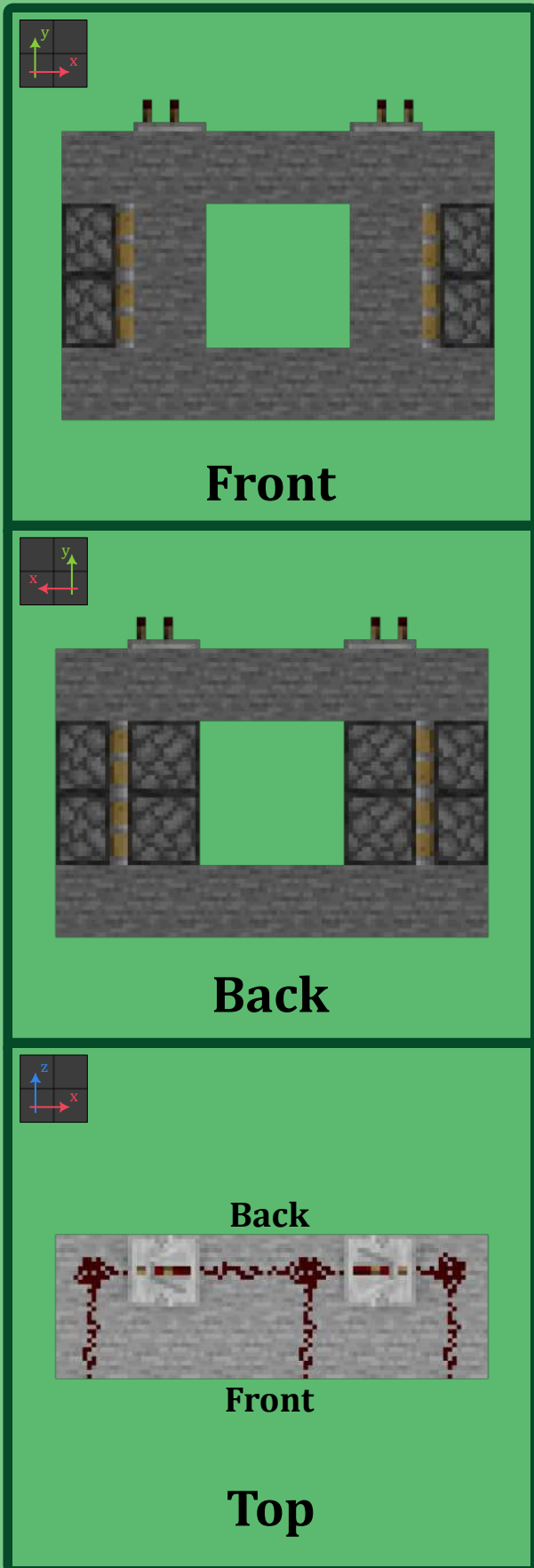


Figure 1-3

These three images convey the final design of the contraption, with associated directional axis and labels

What is the Jeb door?



This machine serves itself as an introduction to the concept of **double attached pistons** and to the world of piston doors in Minecraft. This contraption, titled the Jeb door, is one of the earliest contraptions of Minecraft. It is a 2x2 piston hidden piston mechanism that allows for an easy hidden base. The name comes from an early, and current, developer working at Mojang [2], named Jeb—Mojang is the company responsible for the creation and current development of the *Java Edition* of the game Minecraft.

Note: Everything below will need to be acquired before constructing.

Blocks & Items Required

Stone.....	16
	
Sticky Piston.....	12
	
Redstone Dust.....	7
	
Redstone Repeater.....	2
	
Lever.....	1
	
A Pickaxe Better than Stone.....	1
	
Any Shovel.....	1
	

Blocks & Items Recommended

Dirt Block Or Scaffold.....	2
 	

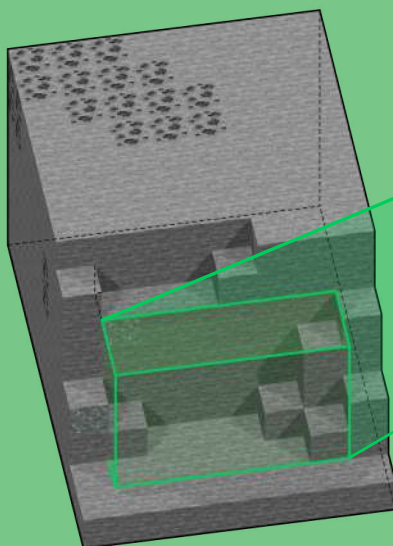
THE PROCESS



Figure 4

The chosen mountainside for this project

The area shown to the right allows for at least two blocks of freedom above and two blocks of freedom on both sides.



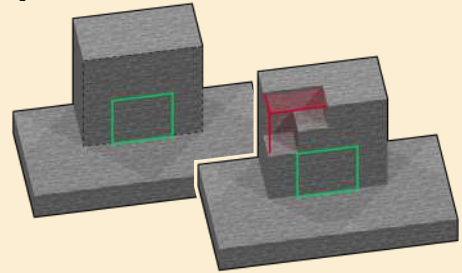
Figures 5 and 6, respectively

The chosen location for this hidden base to be placed.

Selecting a Spot

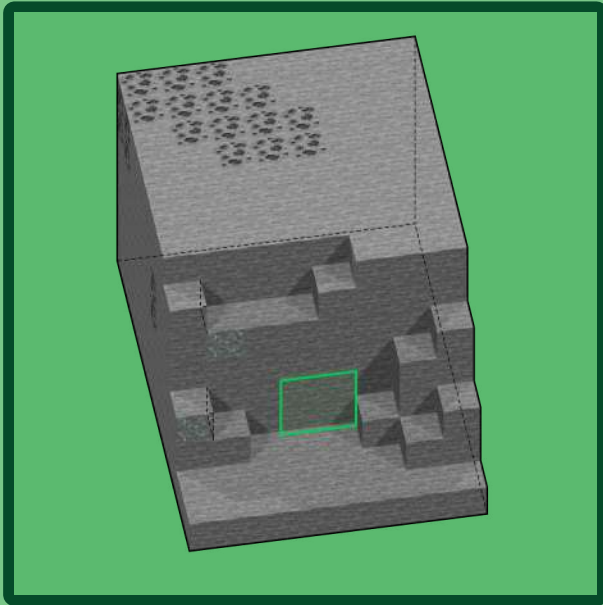
Find a nice mountainside where a 2x2 area can sit flush against the wall.

NOTE: Avoid placing the entrance to the door close to any insets in the wall. See examples below for correct placement.



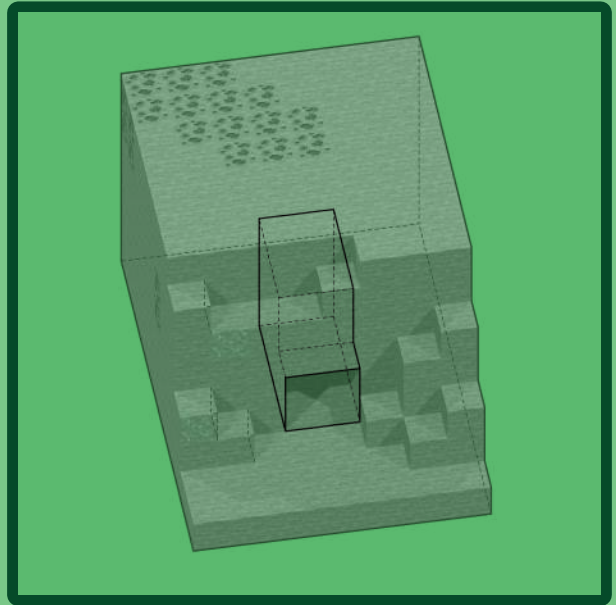
Left: allows for two blocks upward.
Right: Creates holes in the design and would later expose the machinery.

The Steps



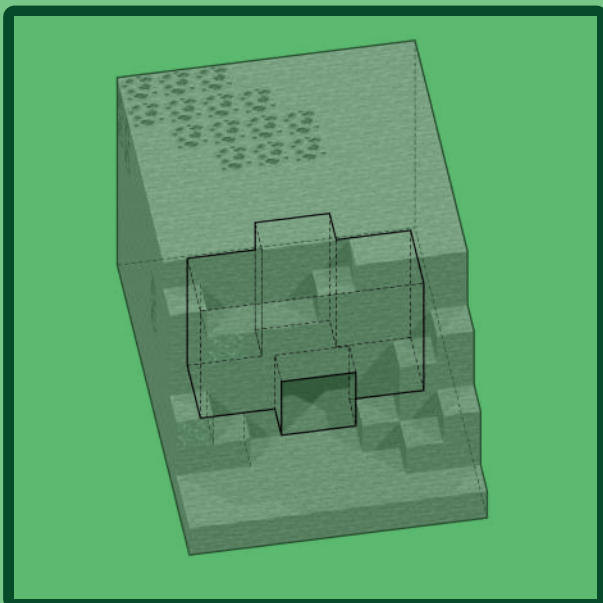
STEP 1

Select a place to mine, ensuring it fits the requirements of the note from before, two blocks of freedom upward and two blocks of freedom on either side.



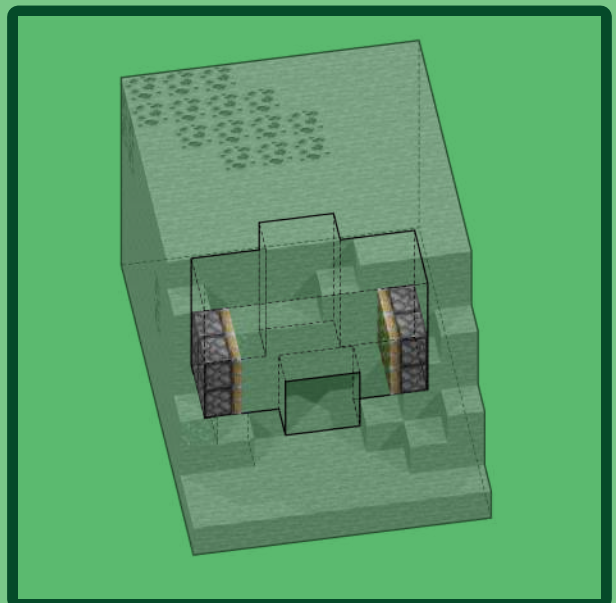
STEP 2

Mine four blocks back for each block and mine two blocks up for everywhere except the doors location.



STEP 3

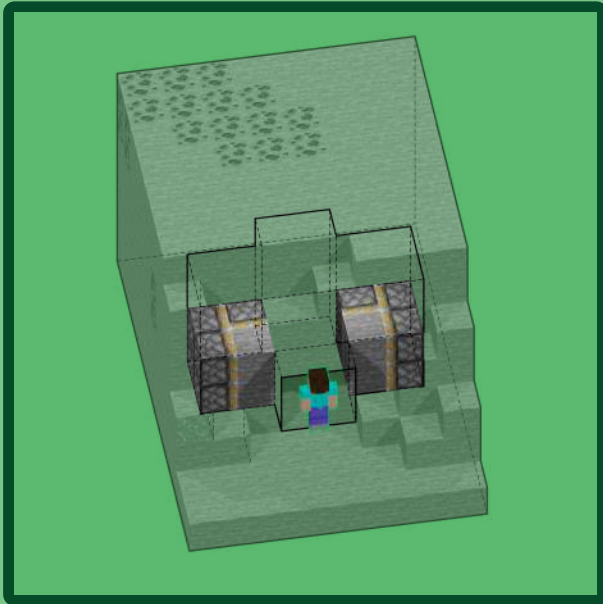
Mine outwards to the left and right of your door, leaving the area in the back to remain the same.



STEP 4

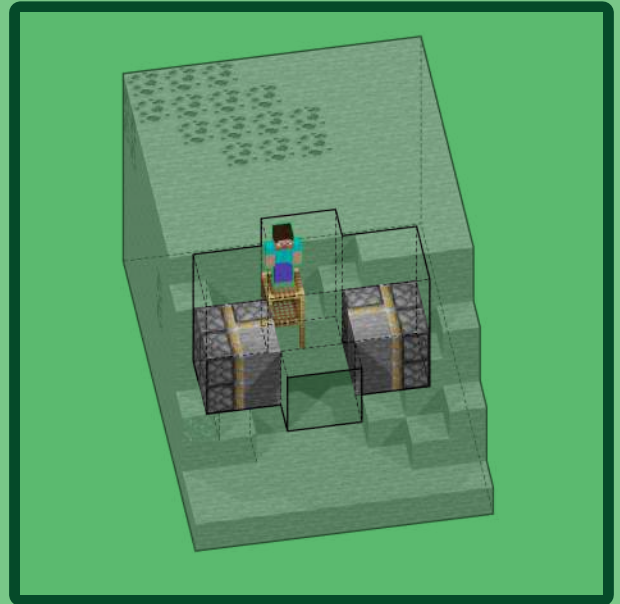
Stand in the middle, inside the cavern, and place four pistons on either side. Place them whilst hovering over the stone walls.

NOTE: Standing in the middle ensures the pistons are placed correctly



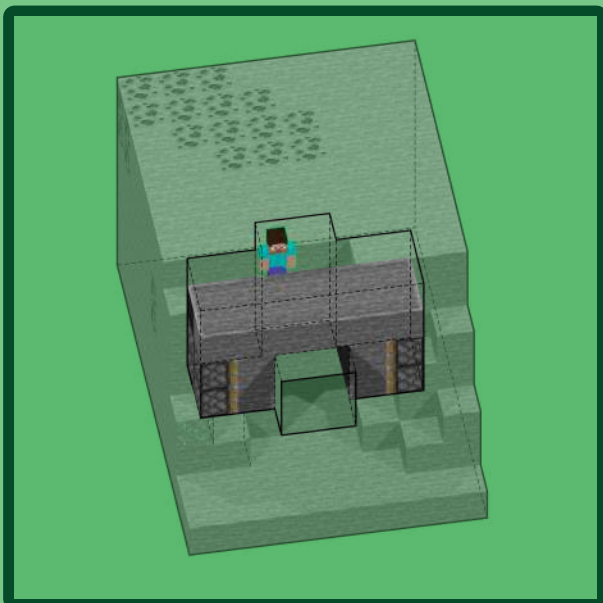
STEP 5

Stand in the doorway to place the remaining four pistons on either side. Place two pistons on each of the stone faces on the left and right. Place four stone blocks on the faces of those pistons.



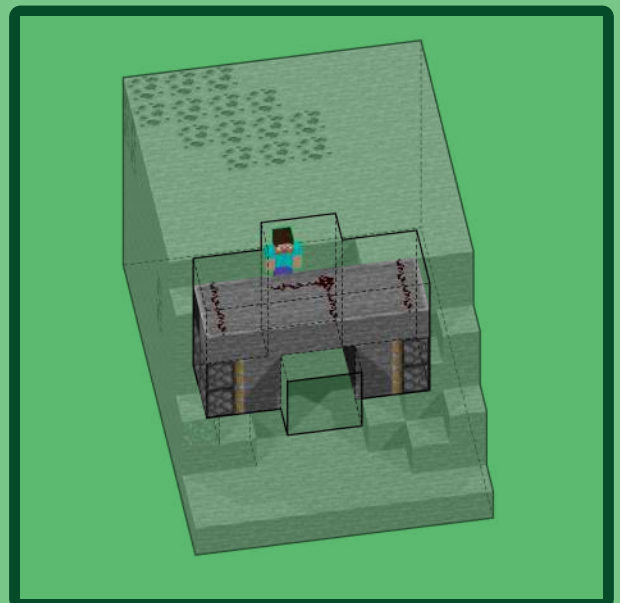
STEP 6

With your two scaffold (or dirt) blocks, place them in the back inlet on either the left or right side, stand on top and face towards the doorway.



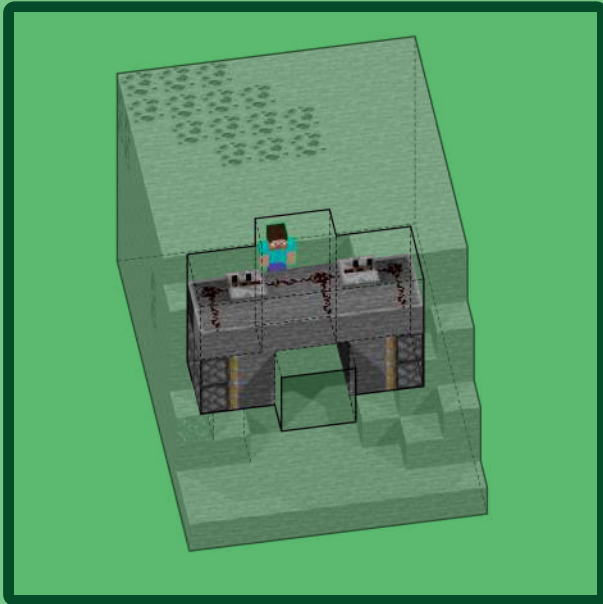
STEP 7

Place stone blocks along the tops of the pistons, stone blocks, and in the spaces in front of you. Thus creating a blanket over your pistons and the entrance.



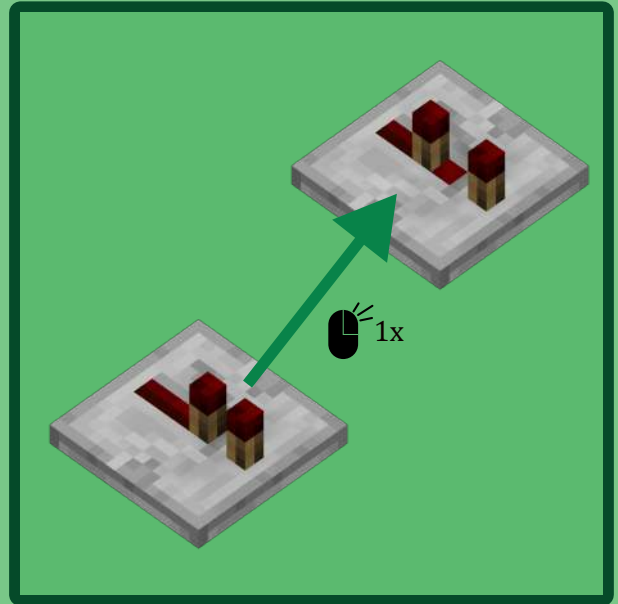
STEP 8

Place the redstone into the above configuration, two on the left, two on the right, two immediately in front of you, and one on the stone block against the wall in front of you.



STEP 9

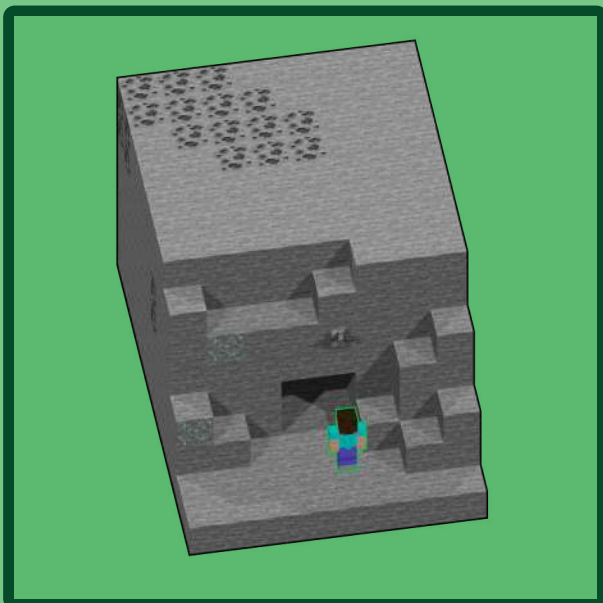
Place the redstone repeaters on either side of you, in between the redstone paths created earlier. Make sure they face away from you so they can power the redstone just above the farthest pistons.



STEP 10

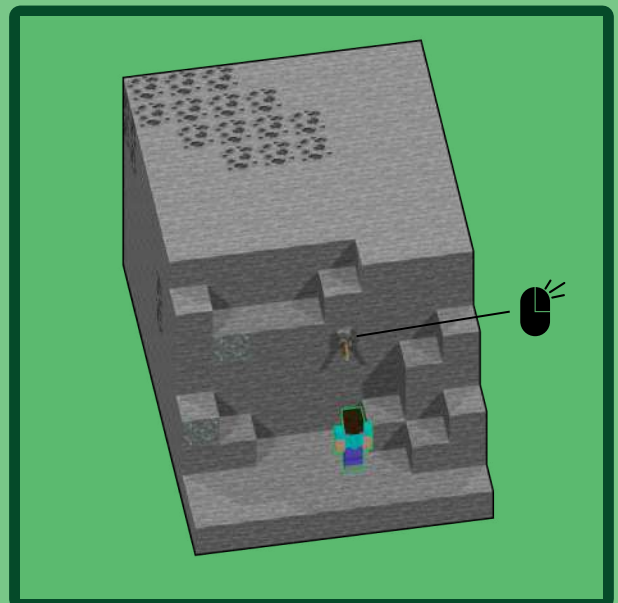
Right click each repeater once to ensure correct circuit timings.

NOTE: The repeater has four settings in total, make sure both are set to their **second** setting.



STEP 11

Break the scaffolding (or dirt) that was placed earlier and head outside the cave. There, place a lever on the right side, or on the same side you placed the final redstone from step 8, two blocks above the door.



STEP 12

All that's left is to flick the lever, using right click, to fully hide your base!

TIP: To fully hide you base, rewire your redstone to another location where the lever is less visible.

Afterwards

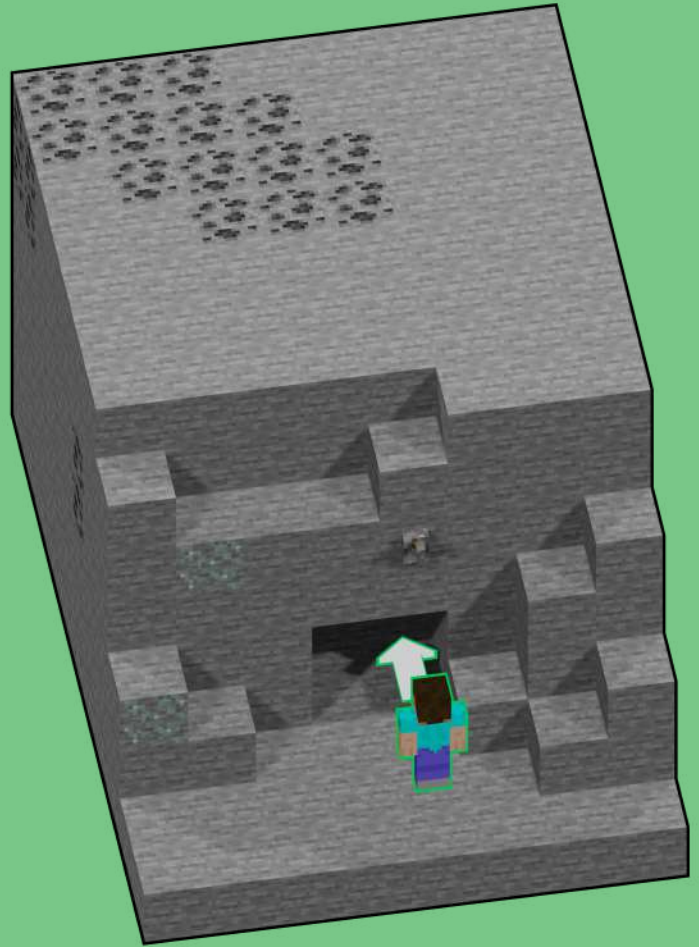
Usage

WARNING: Do not stand inside the doors when closing or else you could begin to suffocate in game

To enter once again, activate the lever and head on in! Make sure you are standing outside the doorway when doing so.

What now?

Now you can mine deeper into your cavern and begin building a base of all your deepest secrets, or a villain's base for those more devious. You may also want to hide your base further, to do so would require rewiring the center redstone link to another place more hidden than outside the doorway. You could also rewire it to a stone button that opens and closes the door, however it would require a machine called a **T-Flip Flop** for the door to stay open or closed.



More Contraption Ideas

If you want larger doors, be sure to research a 3x3 door, or a 5x5 door or any size door that you'd like. The larger the door you have, however, makes it exponentially difficult to hide a base. If you want something hidden remember to design it so that it *doesn't*

Resources Used

- [1] Minecraft. (2009), Mojang. [PC]. Available: <https://www.minecraft.net/en-us>.
- [2] Minecraft. Pistons in Minecraft beta 1.7 - Work in progress. (June 14th, 2011). Accessed: Oct. 4, 2022. [Online Video]. Available: <https://www.youtube.com/watch?v=uZJr86d2IUo>.
- [3] Mineways. (10.05), Eric Haines. [Online]. Available: <https://www.realtimerendering.com/erich/minecraft/public/mineways/index.html>