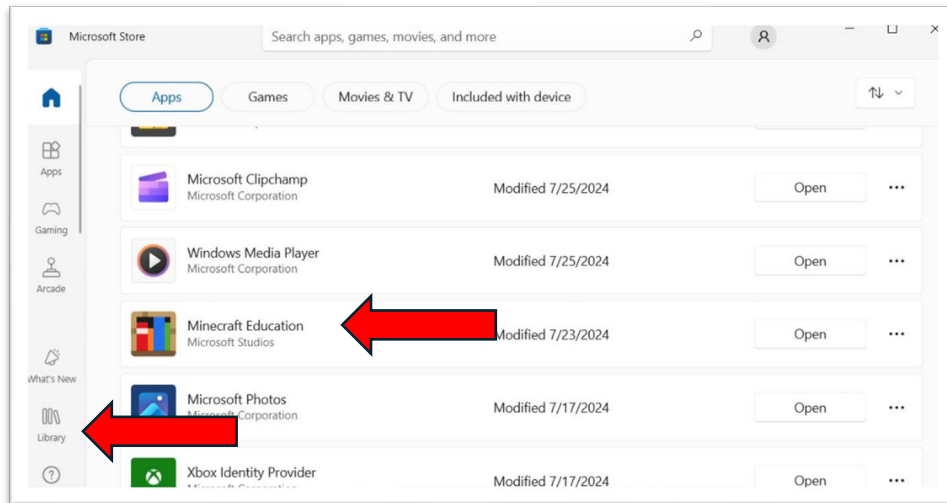


# Minecraft Education And 3D Printing

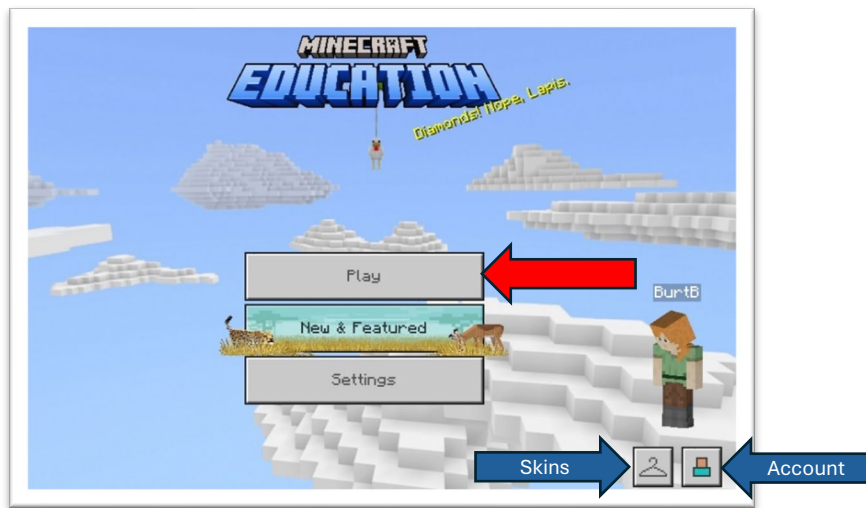
## Getting Minecraft:

1. Go to the **Microsoft Store** on any SD58 Computer. Select the **Library** side tab icon and click on **Minecraft**. Select **Download** from the resulting screen. This works for student machines as well.

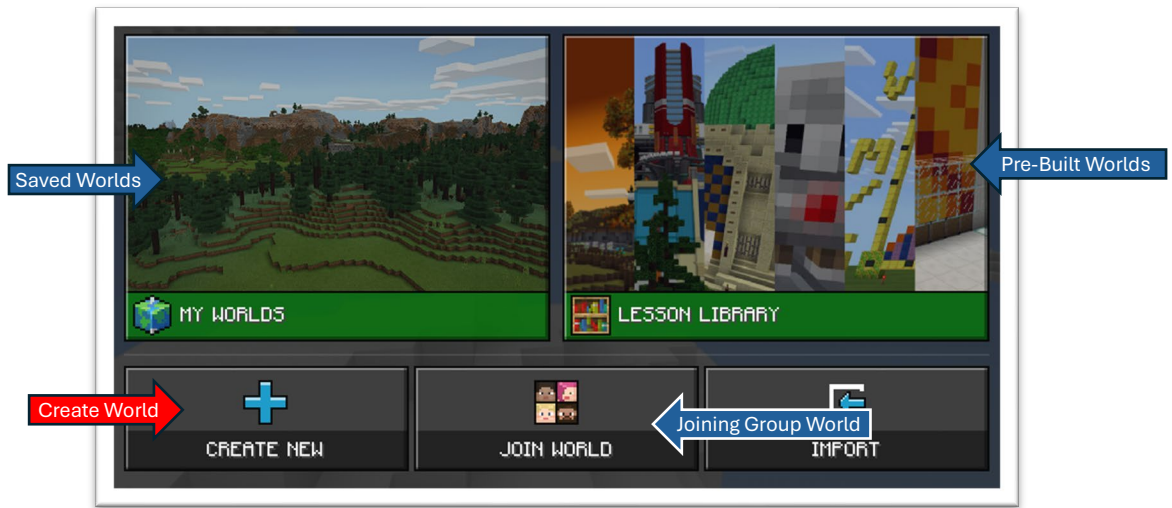


## Using Minecraft:

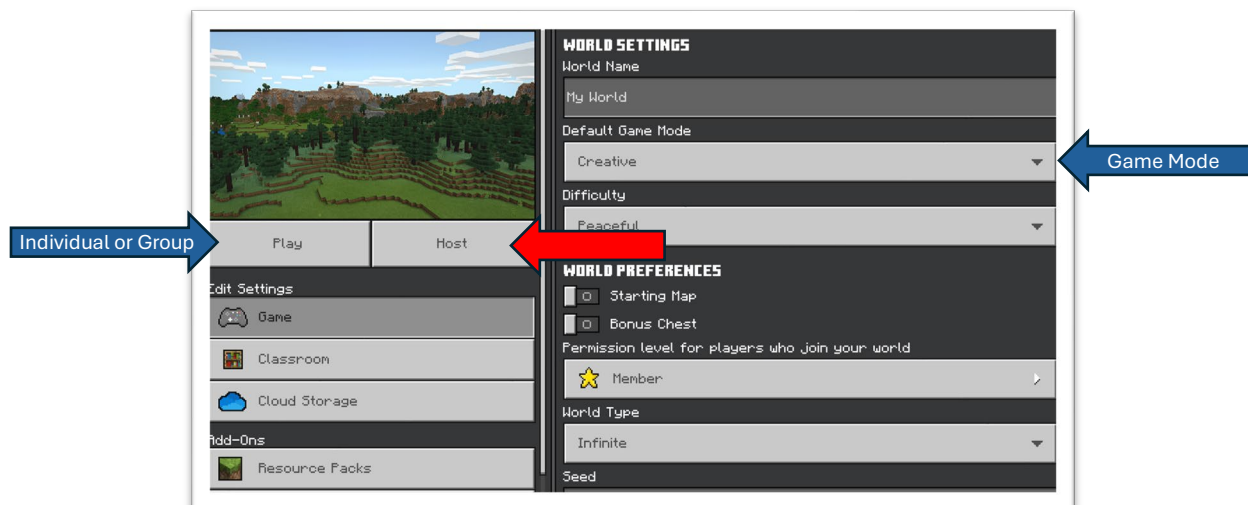
1. Start-up Minecraft and login with your District Credentials.
2. Click the "Play" button on the title screen to get to the world chooser screen.



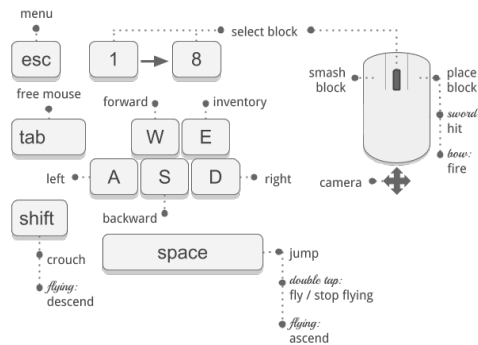
- The World Chooser screen is where you select the Minecraft World you will use.



- The settings screen for Create New World allows you to make certain decisions on how your world will run. Typically, you will keep this screen as is. Initially you may only want to select either Play or Host to choose if you want to invite others to your world (like students) and whether you want Creative (build only) or Survival (competitive play) Mode. For many classroom activities you will want to select Host where you host a world for your students.



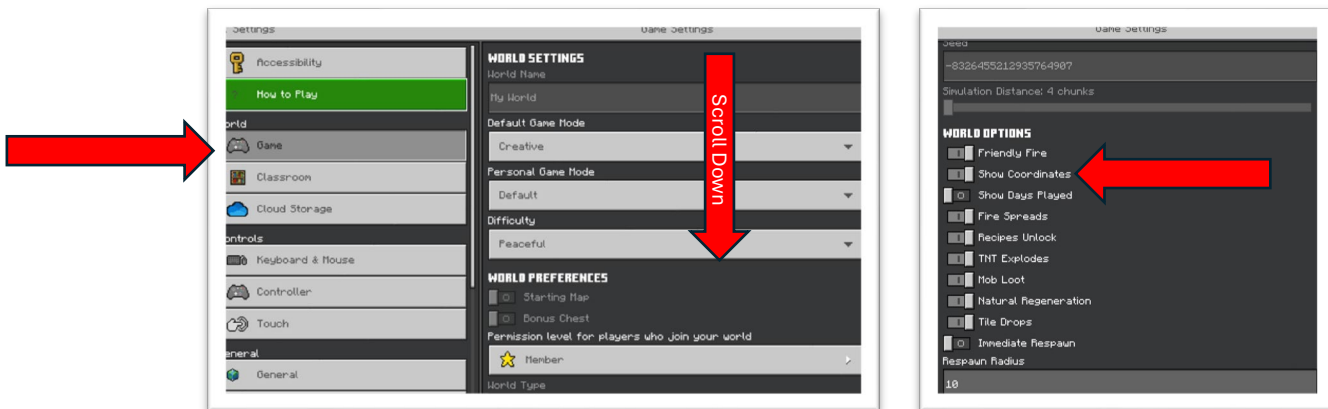
5. Once you are in your world you can walk around and interact with objects using keyboard commands.



6. Using the **ESC** key allows you to access the in-game settings. This is where you can share the code with other players for them to join your world and where you can alter in-game settings.



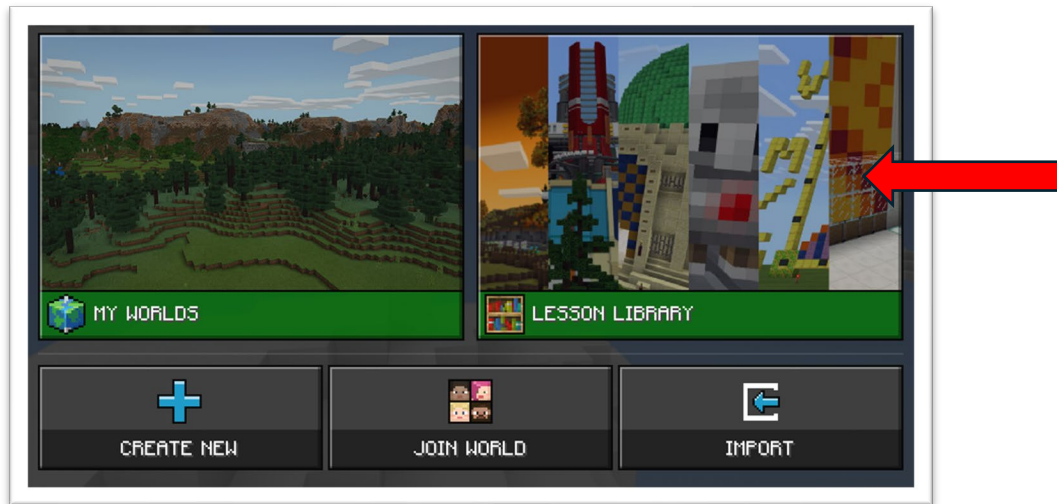
7. Most settings will stay as is, but make sure to turn on **Show Coordinates**.



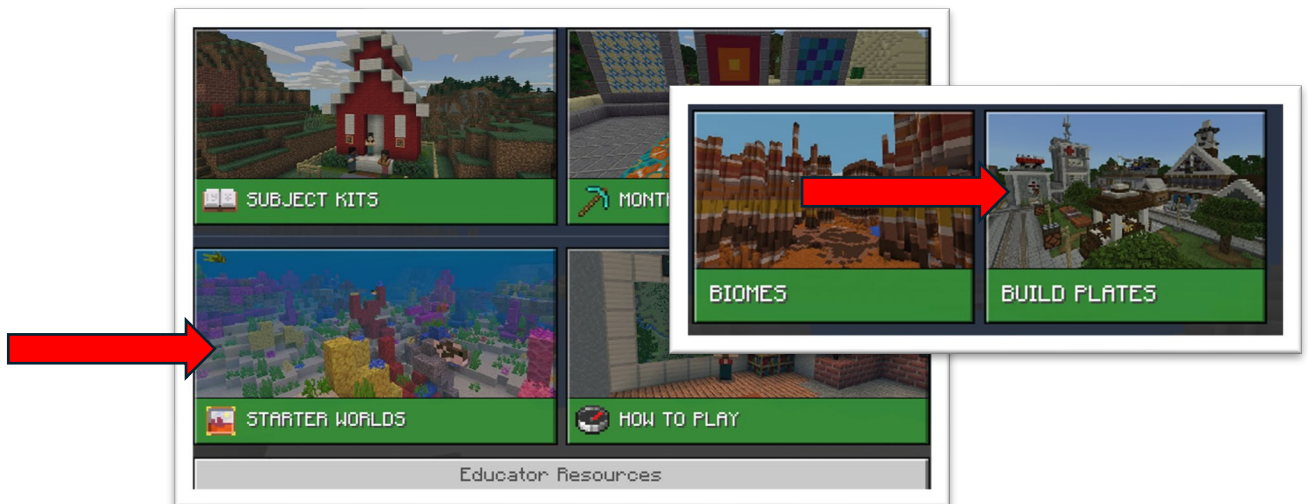
You can use the Coordinates for some of Minecraft's control features and to export objects for 3D Printing.

## Utilizing a Preset World For Town Building

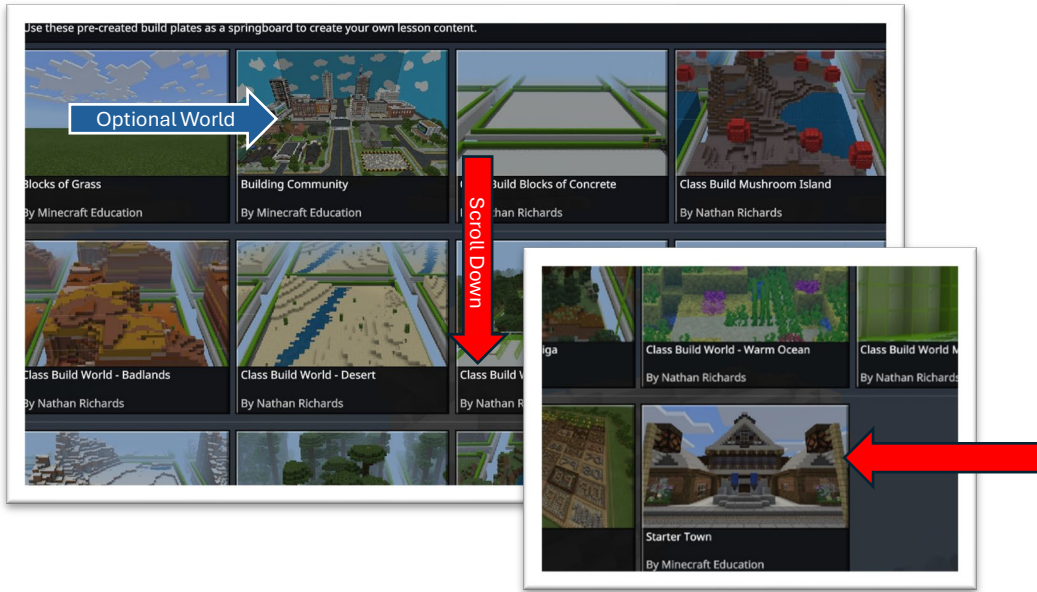
1. A great way to start a build challenge is to have students create a town. Go to the World Chooser screen and select Lesson Library.



2. There are a lot of great pre-built worlds and pre-built activities here. For town building, go to **Starter Worlds** and then select **Build Plates**.



3. Under the Build Plates menu, scroll to the bottom and select **Starter Town**.



4. Once in the new world, you can go and look at the town build locations by heading away from City Hall in the direction indicated below.



5. This world has 30 pre-marked lots for students to build upon. You can assign students a number and they can find their plot and begin building.

