



PRAIRIE SPIRIT  
SCHOOL DIVISION

Updated April 15, 2020

Minecraft Education is supported on Windows, Mac, and iPad\*. Chromebook is NOT supported.

**\*iPad support currently only allows iPad to iPad gameplay at this time. Microsoft is looking to resolve this limitation in a future update.**

#### Technical requirements

Operating system	Software requirements	Hardware Requirements
Windows	Windows 10 Windows 8* Windows 7*	<ul style="list-style-type: none"><li>• CPU: Intel Core i3-3210 3.2 GHz / AMD A8-7600 APU 3.1 GHz or equivalent</li><li>• RAM: 2GB</li><li>• GPU (Integrated): Intel HD Graphics 4000 (Ivy Bridge) or AMD Radeon R5 series (Kaveri line) with OpenGL 4.4</li><li>• GPU (Discrete): Nvidia GeForce 400 Series or AMD Radeon HD 7000 series with OpenGL 4.4</li></ul>
Mac	macOS High Sierra 10.13* and up	<ul style="list-style-type: none"><li>• HDD: At least 1GB for game core, maps and other files</li></ul>
iOs	iOS 10* or higher	<ul style="list-style-type: none"><li>• 1G of memory</li><li>• N/A on iPhone</li></ul>

## Download and Installation:

1. Go to: <https://education.minecraft.net/get-started/download/>
2. Select the appropriate download for your platform.

**GET MINECRAFT: EDUCATION EDITION**

First, [confirm your device](#) is ready to run Minecraft: Education Edition.

If you already have Minecraft: Education Edition installed, follow these [instructions](#) to get the update (version 1.12.60).

If you are NEW to Minecraft: Education Edition, download the app:

Opening MinecraftEducationEdition\_x86\_1.12.61.0.exe

You have chosen to open:

**MinecraftEducationEdition\_x86\_1.12.61.0.exe**  
which is: Binary File (307 MB)  
from: <https://meedownloads.azureedge.net>

Would you like to save this file?



**Recommended for your device:**  
Windows Desktop

**Available Platforms:**

 **Download for Windows**

Download [Windows Store Version](#)

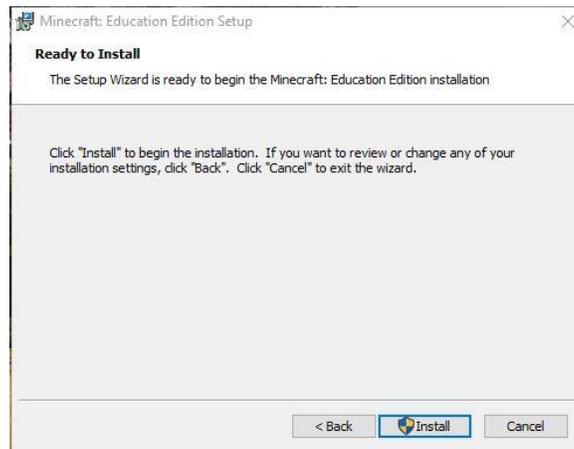
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 **Download for Apple**

### Installation for Windows:

1. Once your download is complete, launch the installation file.
2. Follow the prompts.

\*If you are using a Prairie Spirit laptop, you may receive a permissions error when you press Install. At this point, please contact PSSD Tech Support.



### Instructions for iPad and MacOS:

<https://minecraftereducation.zendesk.com/hc/en-us/articles/360001526467-Get-Started-with-Minecraft-Education-Edition-on-iOS>

<https://minecraftereducation.zendesk.com/hc/en-us/articles/360001805187-Installation-for-Minecraft-Education-Edition-MacOS->

## Entering the Game:

1. Launch the program.
2. If prompted to Sign In, use your Prairie Spirit account (username format [ab123@spiritsd.ca](mailto:ab123@spiritsd.ca)).



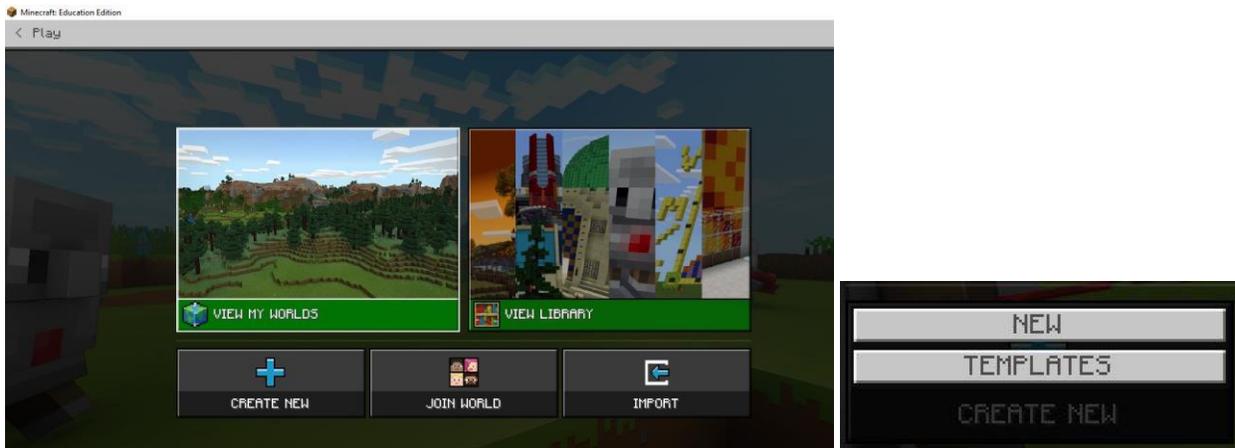
3. Press Play.



4. As a Teacher, you will Create New in order to setup your parameters for your world.

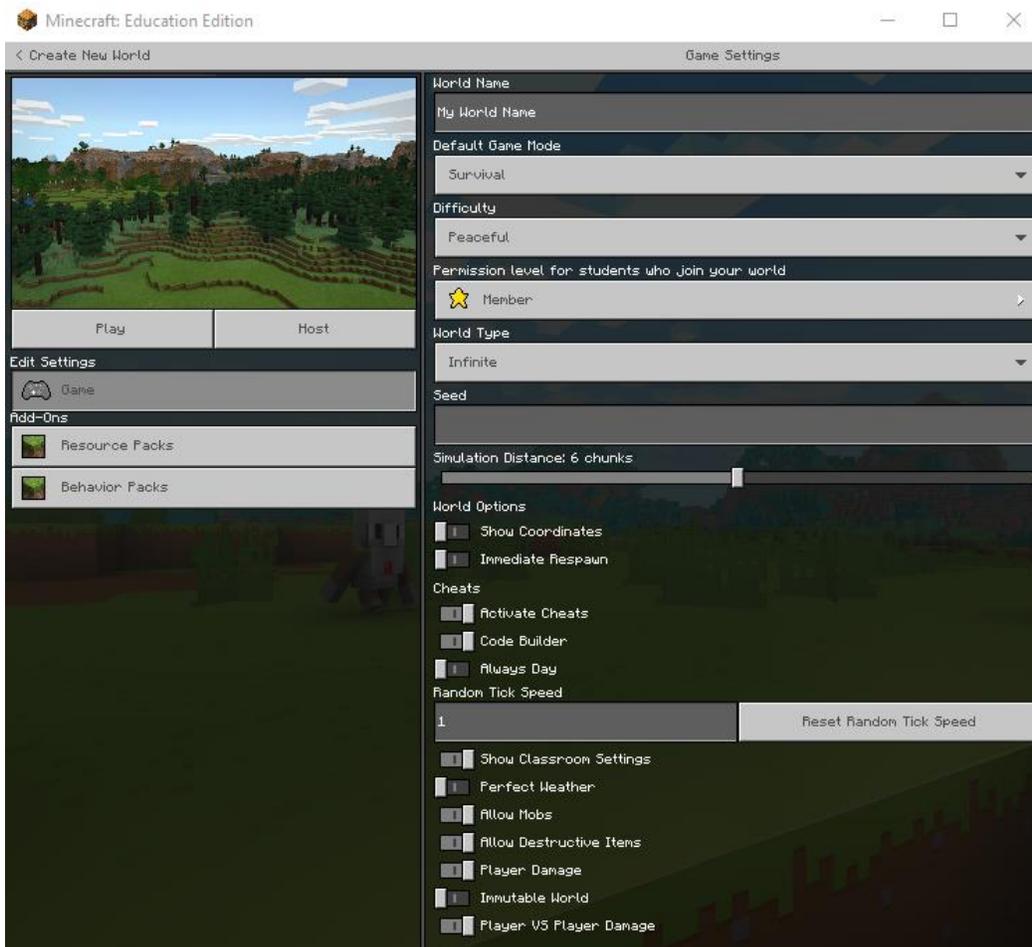
***\*As a Student, you would choose Join World at this point and begin to play\****

## 5. CREATE NEW → NEW



## Default World Creation:

Below are the suggested default parameters to get your Minecraft World started.



Once you have set these parameters, you are ready to **Play** or **Host** in your world.

You can have up to 30 students connect to your world at one time.

When you select Host, you will be able to provide your students with a random code that they are able to join for that session. Join codes are graphical (made up of 4 items from the Minecraft world). Here is an example:

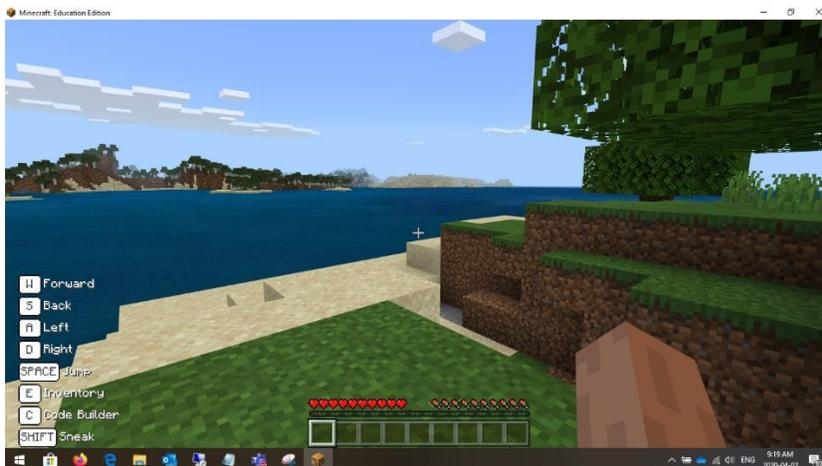


You can change this code by clicking the refresh button. 

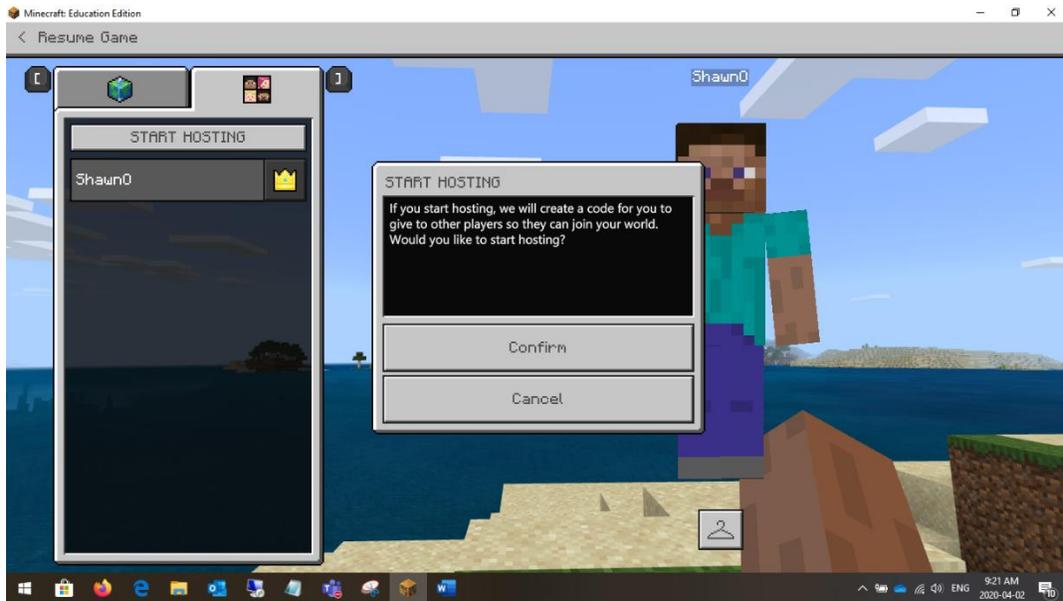
As a Student, you will be able to enter this code provided by clicking on the Join button



Now we can step into our World!

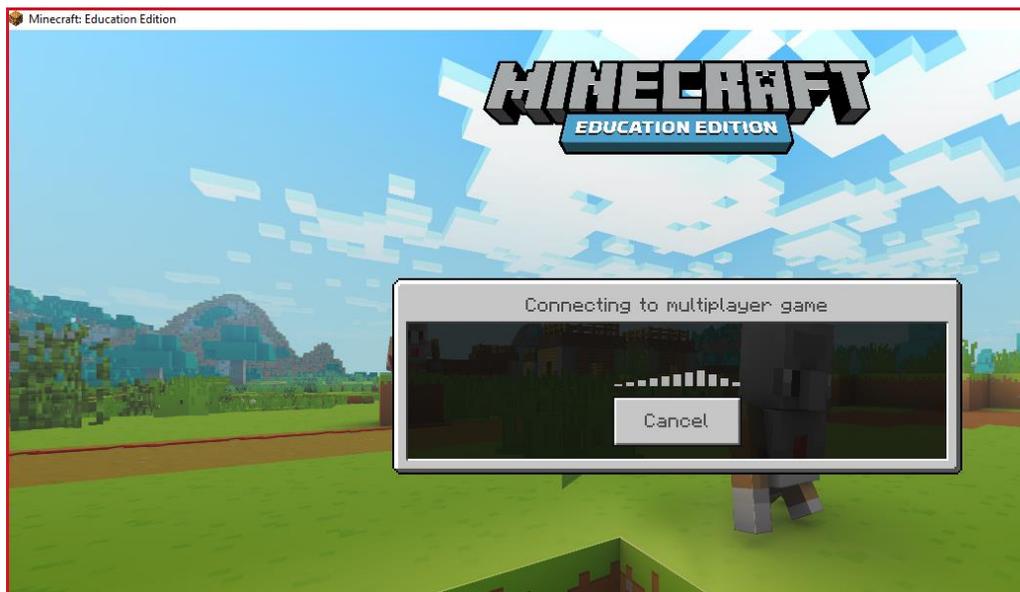


You can click ESC on your keyboard at this point as a Teacher in order to start Hosting students in your world.

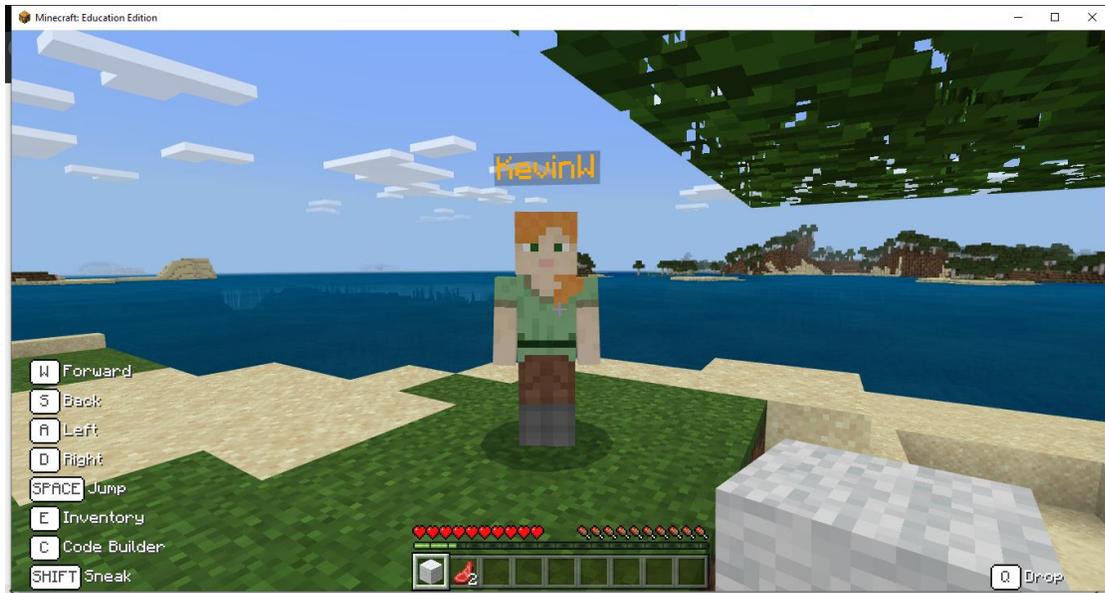


Once you confirm, you will be presented with a Join code. You can cancel your current session at any time by coming back to this window.

For Students joining the Host Session, they will see [this](#) upon entering the Teacher's world.



Once the Student enters the world, they will be placed at the default spawn location. You will now be able to see and interact with them.



Let the games begin!!

## Basic game controls:

Minecraft is a game about placing blocks to build anything you can imagine. At night monsters come out, so make sure to build a shelter before that happens.

### Movement

Use the mouse to look around.

Use W A S D to move around.

Press SPACE to jump.

Press W twice in rapid succession or press CTRL to sprint. While you hold W, you will continue to sprint until you have less than .

Sprinting while in water will make you swim. Use the mouse to control the direction that you are swimming.

## Breaking and Placing

Hold  to mine and chop using your hand or whatever you are holding. You may need to craft a tool to mine some blocks.

If you are holding an item in your hand, use  to use that item or press Q to drop it.

## Sneaking

Sneaking is incredibly useful in Minecraft, sneaking keeps you from falling off of a block and hides your nametag. To sneak, hold SHIFT.

Press E to view your inventory.

This screen shows the items that are available for use in your hand, and all of the other items that you are carrying. Your armor is also shown here.

Use  to pick up the item that is under the cursor. If there is more than one item here this will pick them all up, or you can use  to pick up just half of them.

You can place items down again by using . With multiple items on the cursor, use  to place them all or  to place just one.

If the item the cursor is over is armor, you can quick move it to the correct armor slot by pressing SHIFT+ .

To drop an item, pick up the item and put it down outside of the inventory window.

To place or use certain Minecraft: Education Edition blocks or items, a player must possess a special ability called 'World Builder'.

With cheats activated, the host can enable or disable the World Builder ability for any players in the world.

To grant World Builder ability to all players in the world, run the following command:  
`/ability @a worldbuilder true`

To quickly toggle your own World Builder ability, run either of the following commands:  
`/worldbuilder`  
`/wb`

To query your World Builder ability, run the following command:  
`/ability @p worldbuilder`

The HUD shows information about your status, your health, your remaining oxygen (when you are underwater), your hunger level, and your armor (if you are wearing any).

#### Food and Health

If you lose some health but have at least nine 🍖, your health will replenish. Eating food will replenish your 🍖.

Press and hold  while holding a piece of food to eat it.

You must watch your hunger level while adventuring, your hunger level is represented on your HUD with 🍖. The hunger level decreases as you explore. Certain activities will decrease hunger level at a faster rate, such as sprinting. You can replenish your hunger level by eating food. Some foods are more nourishing than others and will fill up more 🍖. When you get your hunger level up to maximum, the last food you ate applies a saturation value. Saturation is a hidden number that gives you an extra bonus to your hunger level.

#### Experience

The Experience Bar is also shown on the HUD. The number shows your current Experience Level, and the bar indicates how many Experience Points are required to increase your Experience Level.

Experience Points are gained by collecting Experience Orbs. You can get Experience Orbs from activities such as killing mobs, mining certain blocks, and more! Don't leave any Experience Orbs behind, you're going to need them. Move near Experience Orbs to collect them.

## Teacher Resources:

**Official Training site:**

<https://education.minecraft.net/class-resources/trainings/>

\*Also see the **Class Resources** menu on the above site to find pre-created lessons, worlds, and challenges.

**Community page for teachers:**

<https://minecrafteeducation.zendesk.com/hc/en-us/community/topics/360000022827-Teaching-in-Minecraft>

**Knowledge Base for teachers:**

<https://minecrafteeducation.zendesk.com/hc/en-us/sections/360008352352-Teaching-With-Minecraft>

**YouTube has many videos as well. Here is a great starter video:**

[https://www.youtube.com/watch?v=FRzh\\_toHI0U](https://www.youtube.com/watch?v=FRzh_toHI0U)

# Connection and Troubleshooting from home:

## **Performance Issues**

If you are able to connect to a multiplayer game but start to see decreased performance as more players join your game, try the following to improve your experience:

- It is recommended that the host computer has at least 1.5 Mbps of bandwidth.
- Examine your network speed and ensure the amount of players is not overloading your network.
- Turn down the render speed to 4 chunks and turn off fancy graphics in the Video area of the World Settings screen.
- For more information on how to best utilize multiplayer with 30 or more students you can connect with other teachers in the [community forums](#).

## **Connection Issues**

- Often times an antivirus software or your firewall can block multiplayer connection. This [link](#) can provide guidance on ensuring your antivirus or firewall is not blocking the multiplayer connection.
- If players are not using the same version of Minecraft: Education edition they will see the error "Could not connect. Outdated server". Use the [download page](#) to update to the latest version.
- If the host computer disconnects (even temporarily) everyone on the world will lose connection. The host will need to re-start the hosting session and all players will need to re-connect with the new join code.
- Try connecting your modem directly to your computer using a network cable.
- Try closing and restarting the game.
- Try removing and re-installing Minecraft: Education Edition.
- Make sure that port 19132 is not blocked in your network configuration.
- You also may need to forward port 19132 on your router. Forwarding ports is useful because it can help to make your network connection more stable and sometimes even faster.
  - Forward Port 19132 TCP **AND** UDP.
  - This [link](#) can help provide guidance on forwarding Port 19132