

Educational Relevancy | Intro to Crafting

MinecraftEDU: TEACHER IMPACT GUIDE

7+ | 1-2 Hours

“There is a highly participatory network of teachers, librarians, youth leaders, parents, researchers and more sharing ideas and supporting each other. These folks are what make MinecraftEdu more than just a piece of software. It’s a movement, driven by people who believe that learning can be different. They demonstrate that we can use wonderful games, which kids love, to create enriching experiences.”

-- Joel Levin, Co-Founder, Teacher Gaming LLC



ABOUT MinecraftEDU

Minecraft is a game in which the player can do many things. In survival mode, the player must satisfy hunger and maintain health or else the player will die. This mode also requires that players harvest, mine, and craft material all while avoiding hostile mobs. In creative mode, the player does not have to worry about survival and has an unlimited stock of every block. MinecraftEdu is a build of Minecraft designed for teachers to take advantage of the possibilities for using this game with additional features. In MinecraftEdu, teachers are able to control nearly every feature of Minecraft and tailor activities for learning. For more information, visit: <http://minecraftedu.com>

THEME FOR THIS GUIDE: Intro to Crafting

In this guide, you will learn how to craft and why this is an essential skill in this game. In Minecraft there are many items to create, like switches, pickaxes, stairs, and glass. The properties of the different resources can teach aspects of sustainability or electricity that connect from the game to our real world. For more information about the MinecraftEdu Tutorial World visit:

<http://services.minecraftedu.com/worlds/node/26>

WHY USE THIS GUIDE?	<p>In this guide, you will use MinecraftEdu’s Tutorial World and learn some basic crafting. First, you will create a crafting table and then craft an axe. A little bit of crafting opens the already wide world of Minecraft and changes the possibilities for playing and learning.</p> <p><i>Answer the questions below and record your answers on a separate sheet of paper.</i></p>
ACTIVITY	<p>Navigate Zone 1 of the Tutorial World but stop before entering the obstacle course. Do the following activity:</p> <ul style="list-style-type: none"> • Find a tree and hit it to collect several blocks of wood. • Open your inventory and separate the blocks of wood into separate inventory boxes. • Once the wood is separated, place it in the crafting section of the inventory to create wood planks. • Separate the wood planks as you did the wood blocks. • Now, place four wood planks into the crafting area to create a crafting table. Place the crafting table into your active inventory. Exit the inventory. • Place the crafting table on the ground. Approach the crafting table and right click on it. This will open up the inventory with a larger crafting area. • Use the Minecraft Crafting Recipes* sheet to create new items. You may need to collect and separate more resources to do this. Try creating an axe. • Once you have crafted an axe, place it into your active inventory. Exit the inventory and use your new axe to chop something.
THEME INSIGHTS	<ul style="list-style-type: none"> • Exploring in Minecraft is a fun activity itself, but what changes when you learn how to craft? • Why build a crafting table? • How does having an axe change collecting more resources? Also, what happens to the axe as you use it?
WORLD CONNECTIONS	<ul style="list-style-type: none"> • How is the process to create an axe similar and different to how we create tools in our world today? • Think about something you would like to make, or have made. Where did the materials come from? • What happens to tools in our world as we use them? What about our resources?

Bonus Challenge: Continue playing MinecraftEdu Tutorial World and collect additional resources. When you arrive at the campgrounds, which is the last area in this map, use the recipes sheet to craft an item that requires at least two different types of resources. Write a post on social media or record a video on YouTube sharing your experience and what you decided to craft. Share the link on the Center for Games & Impact Facebook page at <http://facebook.com/gamesandimpact>.

*Download the Minecraft Crafting Recipes here:
http://services.minecraftedu.com/worlds/sites/default/files/worlds/26/material/crafting_recipes_26.pdf