



# Minecraft U

Sequence: 1

Day: Tuesday

Current Unit of Inquiry	How is this lesson connected to your current Unit of Inquiry?	
<b>Central Idea:</b> TBD	TBD	
<b>Learner Profile:</b> <b>Attribute: Knowledgeable</b> – Scholars explore concepts, ideas and fundamentals of minecraft <b>Attitude: Creative</b> - Scholars will design and build their own home		
Lesson Vision		
<b>Objective(s)</b>  SWBAT craft tools and weapons using various materials SWBAT craft a tool in survival mode SWBAT craft a weapon in survival mode SWBAT use the right click button to place items in a crafting table	<b>Key Points and Vocabulary</b>	
	<b>sword</b>	<b>pickaxe</b>
	<b>shovel</b>	<b>axe</b>
	<b>hoe</b>	<b>crafting table</b>
	<ul style="list-style-type: none"><li>· right click will pick up half and place down one</li><li>· material strength is as follows: wood&lt;stone&lt;iron&lt;diamond</li></ul>	
<b>TEKS Alignment:</b> <b>§126.6. Technology Applications, Kindergarten-Grade 2</b> 2.1D create and execute steps to accomplish a task <i>(Students will use items in sequential order to accomplish a task such as growing wheat or crafting an item.)</i> <b>§126.7. Technology Applications, Grades 3-5</b> 2.6E use proper touch keyboarding techniques and ergonomic strategies such as correct hand and body positions and smooth and rhythmic keystrokes <i>(Students will be able to type using correct hand and body positions, and also maneuver through the game using WASD and mouse positions.)</i> <b>ELPS Alignment:</b> 1.6A identify and discuss materials for crafting a tool or weapon		
<b>Assessment:</b> Scholars throw their answer stick into the correct cup: Which material will last the longest? Cobblestone, Gold, Wood, Diamond, or Iron? (ESR - Diamond)		
<b>Accommodations/Modifications for Special Populations:</b> Possible teacher addition, timers for scholars who need help staying on task, frequent brain breaks for antsy scholars		



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## Teaching Plan

### Do Now

Time: 10 minutes

Have scholars log into their computers and log into MultiMC

(teacher assistance will be required)

- Click the folder at the bottom left of your screen.

- Click on "academics"

- Double Click on "summer"

- Double Click on "Minecraft"

- Double Click on your name

- Double Click on "TechnicLauncher.jar"

- Click on Modpacks

- Click play

### Hook

Time: 5 minutes

If a villager were to give you a sword for FREE, what kind of sword would you like? Turn and share with the scholar next to you. Tell them what material you'd want, and why. Ask several scholars to share what their neighbor chose and explain their choice.

### Intro to New Material (I Do)

Time: 15 minutes

To craft different things, we need different materials.

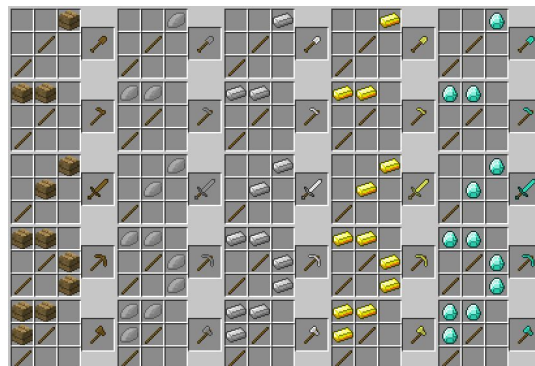
To get those materials, we need different kinds of tools. Different tools do different things: let's take a look!

The Shovel is used for digging, the pickaxe is for mining stone and ore, the axe is for cutting wood, the hoe is for plowing the land. You can get many materials using the wrong tool, or even your hands, but using the right tool for the job is much more efficient. Who can raise a silent, vertical hand to tell me what efficient means. (call on some scholars) Efficient means getting the most materials with the least amount of effort and time. You

**can** punch a tree to get wood, but if you use an axe, you will get it much faster!

How long you can use your tool depends on what you make your tool out of. Wood tools lasts #times. That means you can use it # times before it breaks. If you want to use your tool longer than that, you'll need to make it out of a stronger material. (ask a scholar what might something stronger be?)

We can make tools out of the following things: Wood<Gold<Stone<Iron<Diamond



### Checks for Understanding and Exemplar Student Responses

- What is stronger than \_\_\_\_\_? *Wood<Gold<Stone<Iron<Diamond*

- What tool would I need to get cobble stone? *Pickaxe*

### Guided Practice (We Do)

Time: 10 minutes

Go to the chest labeled "Tuesday's Materials - Don't Touch Yet!"

Now is the time! Open the chest and take out all of the materials!

Before we create tools, we will need to craft a crafting table. Place a wood plank into each slot in your inventory crafting area.

Let's create a shovel. First we need sticks.

To make a stick, we place a wood plank over another wood plank.



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	<p>To place one item down, when you have many in your hand, use the right click button. Now place the sticks and a wood plank like so: &lt;insert image&gt;</p> <p>Take a look at these other recipes: Use the different materials in your Tuesday chest and craft one of each tool.</p>
	<p><b>Checks for Understanding and Exemplar Student Responses</b></p> <ul style="list-style-type: none"><li>- How do I make sticks? <i>Place wood plank over a wood plank</i></li><li>- What is the recipe for a pickaxe? <i>Iron, iron iron, x, stick, x, ,stick, x</i></li></ul>
<p><b><u>Independent Practice</u></b> <b><u>(You Do)</u></b> <b>Time: 20 minutes</b></p>	<p>Scholars will navigate their own world and carry on with their survival. Scholars will craft tools with what supplies they have and find</p>
	<p><b>Checks for Understanding and Exemplar Student Responses</b></p> <ul style="list-style-type: none"><li>- Scholars will need to make various tools for survival. Monitor for usage of tool in the wrong situation, remind them to use a different tool.</li></ul>
<p><b><u>Closure and Exit Ticket</u></b> <b>Time: 3 minutes</b></p>	<p>What is our website address? <a href="http://minecraftu.org">minecraftu.org</a></p>
<p><b><u>Homework/Extension</u></b></p>	<p>If scholars get into mining, they will need to craft a furnace. Consult with individual scholars on how to create this, or do as a mini-guided practice of majority seem to be getting to that point.</p>