

Objective

By the end of this lesson, Oliver will be able to apply basic math concepts such as addition, subtraction, and multiplication through fun Minecraft-themed activities. He will also practice his English skills by describing his creations and explaining his math reasoning.

Materials and Prep

- Paper and pencil for writing and drawing
- Access to Minecraft (if applicable)
- Time to think about math problems related to Minecraft
- Basic understanding of addition, subtraction, and multiplication

Activities

• **Minecraft Math Challenge:**

Oliver will create a small structure in Minecraft using blocks. He will then calculate how many blocks he used in total. For example, if he builds a house with 5 blocks wide, 4 blocks long, and 3 blocks high, he can use multiplication to find the total number of blocks.

• **Crafting Recipe Math:**

Oliver will choose a crafting recipe from Minecraft (like crafting a sword or a cake) and write down the materials needed. He will then practice addition by counting how many total items he needs to gather. For example, if he needs 2 sticks and 3 iron ingots for a sword, he will add those numbers together.

• **Story Time with Math:**

After completing his Minecraft creations, Oliver will write a short story about his adventure, incorporating math problems. For instance, he could write, "I found 5 diamonds and traded 2 for a pickaxe. How many diamonds do I have left?"

Talking Points

- "Can you tell me how many blocks you used to build your house? Let's count them together!"
- "What materials do you need to craft your sword? Let's add them up!"
- "Why do you think we need to use math in Minecraft? Can you think of a time when math helped you in the game?"
- "How do you feel about using addition and multiplication in your story? It can make it more fun!"
- "Can you show me how you figured out how many diamonds you had left? Let's solve it together!"
- "What was your favorite part of the math challenge? Why did you like it?"
- "How does building in Minecraft help you understand math better?"
- "Do you think math is important in games? How does it help you play?"