

Objective

By the end of this lesson, you will understand the mathematical and scientific concepts behind farming in Stardew Valley.

Materials and Prep

Materials: Paper, pencil, calculator (optional)

Prep: Familiarize yourself with the basics of farming in Stardew Valley.

Activities

- Calculate the total profit from selling a batch of crops in Stardew Valley. Use the in-game prices and quantities to practice multiplication and addition.
- Research the real-world equivalents of the crops in Stardew Valley. Learn about the science behind growing these crops, including soil types, climate requirements, and growth cycles.
- Create a mini farming plan for your Stardew Valley farm. Calculate the number of days it will take for your crops to grow and estimate your profits.

Talking Points

- Plants need sunlight to make their own food through a process called photosynthesis. Remember, "Plants are like little solar panels, they use sunlight to make energy!"
- Water is essential for plant growth. Just like we need water to stay healthy, plants need water to transport nutrients and support their structures. Think of it as plant hydration!
- Soil provides plants with nutrients to help them grow. It's like a buffet for plants, offering them all the vitamins and minerals they need to thrive!
- Each crop in Stardew Valley has different growth times and selling prices. Understanding these differences can help you maximize your profits in the game. It's like running your own virtual farm business!