

Objective

By the end of this lesson, you will be able to investigate identified questions, hypotheses, or problems individually and collaboratively.

Materials and Prep

Materials needed: Pen, notebook, internet access.

Prep: Familiarize yourself with the scientific method.

Activities

1. Brainstorming Session: Think of a question or problem you want to investigate.
2. Formulating Hypotheses: Write down possible explanations for your question.
3. Research: Use the internet to gather information and data related to your question.
4. Testing Hypotheses: Design an experiment or investigation to test your hypotheses.

Talking Points

- "Science is all about asking questions and finding answers. Today, we will learn how to investigate questions using the scientific method."
- "A hypothesis is like an educated guess. It's your prediction about what will happen in your experiment."
- "Research is an important step in the scientific process. It helps you gather information and background knowledge."
- "Testing your hypotheses involves conducting experiments or investigations to see if your predictions are correct."