

Provided scaffolds to plan and conduct investigations to answer questions...

use provided scaffolds to plan and conduct investigations to answer questions or test predictions, including identifying the elements of fair tests, and considering the safe use of materials and equipment

Learning intention

- use provided scaffolds to plan and conduct investigations to answer questions or test predictions, including identifying the elements of fair tests, and considering the...

Teach and model

- collaboratively identifying and ordering the steps in an investigation
- using a provided framework or graphic organiser to plan and identify what to change, what to keep the same and what to measure to make a test fair
- examining an example of a soil profile after soil has settled in water and planning an investigation to compare and contrast the components and particle sizes of different...

Check understanding

- Explain the main idea in provided scaffolds to plan and conduct investigations to answer questions... using an example.
- Show the idea in a second way: with words, a model, a diagram or symbols.
- Apply the idea to a short unfamiliar situation and justify the result.

Teaching cautions

- Ask the student to explain their choice, not only state an answer.
- Check that key vocabulary is understood in a new example.
- Mix representations so the skill is transferred rather than copied.

Quick lesson sequence

- Connect to prior knowledge and introduce the key vocabulary.
- Model one clear example, then solve a second example together.
- Finish with an independent check and a short student explanation.