

Methods and findings with those of others, recognise possible sources...

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Learning intention

- compare methods and findings with those of others, recognise possible sources of error, pose questions for further investigation and select evidence to draw reasoned...

Teach and model

- working collaboratively to identify the strengths and weaknesses of their own and others' investigations including where testing was not fair and practices could be...
- recognising errors that could have occurred during investigations, including changing too many variables, incorrect or misreading of measurements, or changes in environmental...
- comparing and contrasting data collected by different individuals or groups to discuss similarities and differences in their findings and posing questions about differences for...

Check understanding

- Explain the main idea in methods and findings with those of others, recognise possible sources... 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.