

Investigate how advances in technologies enable advances in science, and...

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Learning intention

- investigate how advances in technologies enable advances in science, and how science has contributed to developments in technologies and engineering

Teach and model

- analysing how the development of imaging technologies has improved our understanding of the functions and interactions of body systems
- considering the impact of technological advances developed in Australia such as the cochlear implant pioneered by Professor Graeme Clark, the Monash Vision Group's...
- researching how technological advances in monitoring greenhouse gas emissions and other environmental factors have contributed to the reinstatement of...

Check understanding

- Explain the main idea in investigate how advances in technologies enable advances in science, and... 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.