

Analyse the key factors that contribute to science knowledge and...

analyse the key factors that contribute to science knowledge and practices being adopted more broadly by society

Learning intention

- analyse the key factors that contribute to science knowledge and practices being adopted more broadly by society

Teach and model

- researching citizen science projects related to public health and examining why people would choose to be involved
- investigating how the practices adopted by society based on research by Australian Dr Helen Mayo led to a reduction in infant mortality
- examining how assisted reproductive technologies have become widely used since their initial development

Check understanding

- Explain the main idea in analyse the key factors that contribute to science knowledge 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.