

Examine how the values and needs of society influence the...

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Learning intention

- examine how the values and needs of society influence the focus of scientific research

Teach and model

- exploring how governments determine which scientific research projects should be funded
- exploring how Australia has developed an artificial intelligence system which is used to predict the likelihood of a viable pregnancy from transfer of a single embryo to a woman...
- investigating how the need to minimise greenhouse gas production has led to scientific and technological advances

Check understanding

- Explain the main idea in examine how the values and needs of society influence the... 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.