

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

- investigating why agricultural practices have changed to include widespread use of genetically engineered crops
- examining statistics to compare bicycle or electric scooter injuries sustained by riders with and without helmets and relating these to helmet wearing requirements
- discussing examples of the application of genetic screening and reasons for the adoption of the practice by groups in society

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.