

Investigate how scientific knowledge is used by individuals and communities...

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Learning intention

- investigate how scientific knowledge is used by individuals and communities to identify problems, consider responses and make decisions

Teach and model

- exploring how communities consider the impact of aquatic noise pollution when designing guidelines for water sports
- investigating how people use knowledge of conditions that reduce mould or bacterial growth when considering food packaging and storage
- considering how people use electrical device guidelines to help ensure safety of children

Check understanding

- Explain the main idea in investigate how scientific knowledge is used by individuals and communities... 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.