

Questions to explore observed simple patterns and relationships and make...

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Learning intention

- pose questions to explore observed simple patterns and relationships and make predictions based on experiences

Teach and model

- posing questions about how to make sounds with different instruments, such as: 'If I do this, will it always produce a higher pitched sound?'
- posing questions about the appearance or position of celestial objects in space across time, such as: 'I wonder if the moon will look the same tomorrow or next week, as it does...'
- making predictions about what might occur when materials such as playdough or tissue paper are pulled with different strengths

Check understanding

- Explain the main idea in questions to explore observed simple patterns and relationships and make... 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.