

Investigate how cultural perspectives and world views influence the development...

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Learning intention

- investigate how cultural perspectives and world views influence the development of scientific knowledge

Teach and model

- exploring how the personal beliefs of a scientist may influence the questions they choose to pursue and how they investigate those questions, such as Richard Levins...
- considering why it is important to recognise that different people in society have different perspectives on the introduction of biological controls to eradicate an invasive...
- exploring the work of Wang Zhenyi, an acclaimed female scholar of 18th-century China, including her experiments in studying lunar eclipses

Check understanding

- Explain the main idea in investigate how cultural perspectives and world views influence the development... 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.