



Lesson 4: Research methods 7.1 Experimental method

Learning objective	To gain knowledge and understanding of experimental methods
Lesson objectives	By the end of the lesson, learners will be able to: <ul style="list-style-type: none"> • Define extraneous variable and control • Identify extraneous variables and controls • Apply knowledge of extraneous variables and controls to novel scenarios
Vocabulary	Extraneous variable: a variable, other than the independent variable, that can have an impact on the dependent variable in an experiment. Control: step(s) taken by researcher to reduce or keep the impact of extraneous variable(s) constant.
Previous learning	Learners have studied all other aspects of the experimental method. In the previous lesson, they completed a plenary task designing a simple study on stress and athletic performance.

Plan

Activities	Resources
Beginning (5 mins)	
Middle (50 mins)	

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End (5 mins)

Learners can check their understanding by identifying possible extraneous variables and suggesting controls for the study they planned on stress and athletic performance.

Reflection and evaluation

Reflection:

Summary evaluation:

What two things went really well? (Consider both teaching and learning.)

- 1.
- 2.

What two things would have improved the lesson? (Consider both teaching and learning.)

- 1.
- 2.

What have I learned from this lesson about the class or individuals that will inform my next lesson?

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