Describe the technology process and communicate formulation, solution and interpretation.

Key skills | Free preview

Learning target: Describe the technology process and communicate formulation, solution and interpretation.

A modelling workflow should state what is being predicted, define the inputs and use a computation that can be repeated. For variation data, a spreadsheet can test a constant ratio or product before generating a graph and prediction. Report discrepancies as well as agreements, and state whether the suggested value is within the observed and practically valid input range.

Try the mathematics

Task 1. Enter workers w=2,3,4,6 and measured hours T=12,8,6,5. In a spreadsheet compute products wT, model times 24/w and residuals measured minus model. Give formulas and expected outputs.

Continue with the full worksheet

The complete resource has 2 focused task sets and substantive worked solutions. Use an exercise book or print the A4 worksheet. This preview shows the first task without its full solution.

Find this resource: https://resources.aspiretopowerlearning.com.au/vce/skills/aspire-internal-gm-u2-o3-cross-ks-12/

Study-design reference

VCE Mathematics Study Design 2023-2027, version 1.1 (November 2022). General Mathematics; Unit 2; Outcome 3; Key skills; bullet 12; p. 41.

The learning target is a concise paraphrase. Aspire reference: aspire-internal-gm-u2-o3-cross-ks-12. This is an internal identifier, not an official VCAA code.

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