General Mathematics | Unit 2 | Outcome 3

Relate table values, algebra and graphs to the same mathematical features.

Key skills | Free preview

Learning target: Relate table values, algebra and graphs to the same mathematical features.

Computational thinking can separate data entry, transformation, model fitting and checking into distinct steps. In a spreadsheet, retain the original variables alongside transformed columns so predictions can be interpreted correctly. Use an XY scatter plot rather than treating input values as evenly spaced labels. Verify a transformed model against the original observations before reporting it.

Try the mathematics

Task 1. Enter x=1,2,3,4 in column A and y=5,11,21,35 in column B. In C2 enter $=A2^2$ and fill down. Plot y against column C, calculate a linear fit and translate it back to x.

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-07/

Study-design reference

VCE Mathematics Study Design 2023-2027, version 1.1 (November 2022). General Mathematics; Unit 2; Outcome 3; Key skills; bullet 7; p. 41.

The learning target is a concise paraphrase. Aspire reference: aspire-internal-gm-u2-o3-cross-ks-07. This is an internal identifier, not an official VCAA code.

Free preview: share intact with attribution, without charging. Full resource rights are not included.

Original independent practice. Not published or endorsed by VCAA. The activity is not an official SAC, examination or complete treatment of every clause of a broad curriculum requirement.