

Construct and use representations, including tables, simple column graphs and...

construct and use representations, including tables, simple column graphs and visual or physical models, to organise data and information, show simple relationships and identify patterns

Learning intention

- construct and use representations, including tables, simple column graphs and visual or physical models, to organise data and information, show simple relationships and...

Teach and model

- representing observed life stages by constructing models using recycled or craft materials
- constructing pictorial maps to show the location of different soil and rock types in the local environment
- constructing and using tables to explore the relationship between ambient temperature and time taken to melt

Check understanding

- Explain the main idea in construct and use representations, including tables, simple column graphs and... 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.