

Sorting data and representing patterns

sort and order data and information and represent patterns, including with provided tables and visual or physical models

Learning intention

- sort and order data and information and represent patterns, including with provided tables and visual or physical models

Teach and model

- using pictographs featuring drawings or digital photographs and tables of measurements to document patterns of growth of plants
- using digital photography to show how pushes and pulls affect the shape of an object and sorting images into before and after columns of a table
- using drawings or digital photographs to document changes in weather over a series of days or weeks

Check understanding

- Explain the main idea in sorting data and representing patterns 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.