

# Analyse data and information to describe patterns, trends and relationships...

analyse data and information to describe patterns, trends and relationships and identify anomalies

## Learning intention

- analyse data and information to describe patterns, trends and relationships and identify anomalies

## Teach and model

- analysing change in predator and prey numbers over time to identify predator-prey cycles
- identifying patterns and relationships in data sets such as identifying qualitative relationships between the mass of a planet and its gravity
- analysing data to identify patterns in the proportions of a day spent in sunlight and in darkness and relating these patterns to the seasons

## Check understanding

- Explain the main idea in analyse data and information to describe patterns, trends and relationships... 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.