

# Interpret line graphs representing change over time; discuss the relationships...

interpret line graphs representing change over time; discuss the relationships that are represented and conclusions that can be made

## Learning intention

- interpret line graphs representing change over time; discuss the relationships that are represented and conclusions that can be made

## Teach and model

- reading and interpreting different line graphs, discussing how the horizontal axis represents measures of time such as days of the week or times of the day, and the...
- interpreting real-life data represented as a line graph showing how measurements change over a period of time and make simple inferences
- matching unlabelled line graphs to the context they represent based on the stories of the different contexts

## Check understanding

- Explain the main idea in interpret line graphs representing change over time; discuss the 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.