

Comparing observations and predictions

compare observations with predictions and others' observations, consider if investigations are fair and identify further questions with guidance

Learning intention

- compare observations with predictions and others' observations, consider if investigations are fair and identify further questions with guidance

Teach and model

- comparing observations with those of others, such as how many birds each group counted in the playground or how much each group's seedling has grown in a week
- exploring if making weather observations at different times of day makes a difference and considering how they could compare weather across each day more fairly
- comparing observations of movement with predictions, such as how far an object travels

Check understanding

- Explain the main idea in comparing observations and predictions 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.