

Select and use equipment to generate and record data with...

select and use equipment to generate and record data with precision, using digital tools as appropriate

Learning intention

- select and use equipment to generate and record data with precision, using digital tools as appropriate

Teach and model

- selecting and using equipment with required precision such as adjusting magnification to observe specific cell structures and recording this magnification and reading the...
- recording data with precision appropriate to the instrument such as rounding up or down with finer graduations or estimating an intermediate value with coarser graduations
- using digital tools such as digital microscopes, simulations and video-recording devices when appropriate to observe, measure and record qualitative and...

Check understanding

- Explain the main idea in select and use equipment to generate and record data with... 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.