

W5L3 | Data detective

Friday | 09:30–10:10 | Do | Depth route

Name: _____ Date: _____

Core first. Your teacher will select the questions that fit this lesson. Write, speak, point or dictate your own words. Keep your first attempt so you can improve it.

Work together

Use class data if available; otherwise label this dataset “illustrative sample data”.

Illustrative model/sample data - these are not measurements made by this class.

Sucrose / mol dm ⁻³	Repeat 1 / %	Repeat 2 / %	Repeat 3 / %	Mean / %
0.0	18	20	22	
0.2	10	12	14	
0.4	0	2	4	
0.6	-10	-8	-6	
0.8	-18	-20	-22	

1. Complete all five means. Describe the trend.

2. Estimate zero change using a straight line between the nearest values either side of zero.

W5L3 | Continue and improve

Depth route | Use after the core questions when directed

3. An extra repeat at 0.6 gives +9%. What should you do before excluding it?

Transfer challenge

Add the +9% repeat at 0.6. Find the new mean and explain its effect.

Go deeper: State a limitation, assumption or condition in your explanation. Say what extra evidence would make it stronger.

Improve the same work

One correction I made, and why:

My request for next time: _____