

G483

Practical Skills in Physics 1

Quantitative Task Prep



Objectives

- **Demonstrate** and **describe** safe and skilful practical techniques for a quantitative experiment.
- Make, record and **communicate** reliable measurements with appropriate precision and accuracy.
- **Analyse** the experimental results.
- **Interpret** and **explain** your experimental results.



Learning Outcomes (you will be able to...)

- Measure length without parallax error
- Use significant figures and decimal figures appropriately
- Link significant figures in the final quantity to all measured values
- Draw an appropriate graph with a line of best fit
- Calculate a gradient with units
- Determine the y intercept by substituting in values and using the gradient
- Recognise $y = mx + c$ and fit this to new equations
- Use 'm' and 'c' to calculate a physical constant



Reading

- OCR Practical Skills Handbook
Just chapter 10

