

OCR Physics A

Practical skills

Specification reference	Checklist questions	
1.1.1 a	Can you design experiments, including ones to solve problems set in a practical context?	<input type="checkbox"/>
1.1.1 b	Can you identify the variables that must be controlled in an experiment?	<input type="checkbox"/>
1.1.1 c	Can you evaluate whether an experimental method is appropriate to meet expected outcomes?	<input type="checkbox"/>
1.1.2 a	Can you use a wide range of practical apparatus and techniques correctly?	<input type="checkbox"/>
1.1.2 b	Can you use appropriate units to take measurements?	<input type="checkbox"/>
1.1.2 c	Can you present observations and data in an appropriate format?	<input type="checkbox"/>
1.1.3 a	Can you process, analyse and interpret qualitative and quantitative experimental results?	<input type="checkbox"/>
1.1.3 b	Can you use appropriate mathematical skills for analysis of quantitative data?	<input type="checkbox"/>
1.1.3 c	Can you use significant figures appropriately?	<input type="checkbox"/>
1.1.3 d	Can you plot and interpret suitable graphs from experimental results?	<input type="checkbox"/>
1.1.3 d i	Can you select and label axes with appropriate scales, quantities, and units?	<input type="checkbox"/>
1.1.3 d ii	Can you measure gradients?	<input type="checkbox"/>

Specification reference	Checklist questions	
1.1.4 a	Can you evaluate results and draw conclusions?	<input type="checkbox"/>
1.1.4 b	Can you identify anomalies in experimental measurements?	<input type="checkbox"/>
1.1.4 c	Can you explain the limitations in experimental procedures?	<input type="checkbox"/>
1.1.4 d	Can you be precise and accurate with measurements and data, including margins of error, percentage errors and uncertainties in apparatus?	<input type="checkbox"/>
1.1.4 e	Can you refine experimental design by suggesting improvements to the procedures and apparatus?	<input type="checkbox"/>