

School-assessed coursework task

A report of a student-designed investigation including a concise evaluation.

The report of the experimental investigation, including the implementation, analysis and evaluation should be in the range of 1000-1200 words, and completed in class time.

Students may work in small groups to carry out the experimental investigation but each student should maintain their own logbook to produce an independent report. Raw data may be shared within and across groups, but each student must process and analyse their own data.

No material may be brought in from outside class.

ASSESSMENT CRITERIA

The extent to which the response demonstrates:

A clear comprehensive statement of the purpose				2	1	0
Discussion and explanation of appropriate methodology	4	3	2	1	0	
Control and definition of variables	4	3	2	1	0	
Appropriate calculation use of formulas	4	3	2	1	0	
Understand the process of obtaining reliable results	4	3	2	1	0	
Appropriate use of technology to collect data	4	3	2	1	0	
Treatment of uncertainty in measurements	5	4	3	2	1	0
Organization of the raw data (tables)		3	2	1	0	
Presentation of the processed data (graphs)		3	2	1	0	
Correct use of significant figures		3	2	1	0	
Depth of analysis of the data	5	4	3	2	1	0
Competence in drawing conclusions from the investigation	5	4	3	2	1	0
Understanding and communication of relevant physics ideas	5	4	3	2	1	0
Appropriate use of accepted physics symbols				2	1	0
Clear labeling of diagrams and graphs				2	1	0

Comments: