

A2 10: Enabling Technology

Centre No:		Candidate No:		
Pupil Activities	Mark criteria	Marks Awarded	Marks Range	AO
	A comprehensive knowledge of most key concepts, interpretations, issues and technical terms relevant to the scientific investigation. An excellent understanding of all the scientific ideas, processes, techniques and procedures relevant to the scientific investigation/research.		[10-12]	AO1 [12]
	A good knowledge of most key concepts, interpretations, issues and technical terms relevant to the scientific investigation/research. A good understanding of most of the scientific ideas, processes, techniques and procedures relevant to the scientific investigation/research.		[7-9]	
	A satisfactory knowledge of some key concepts, interpretations, issues and technical terms relevant to the scientific investigation/research. A satisfactory understanding of some of the scientific ideas, processes, techniques and procedures relevant to the scientific investigation/research.		[4-6]	
	A basic knowledge of some information relevant to the scientific investigation/research A basic understanding of scientific ideas, processes, techniques and/or procedures, with limited relevance to the scientific investigation/research		[1-3]	
	A comprehensive application of knowledge and understanding of a wide range of scientific ideas, processes, techniques and methods: <ul style="list-style-type: none"> • to theoretical and practical contexts; and • when handling qualitative and quantitative data. Recording of work and refinements is comprehensive.		[11-14]	AO2 [14]
	A good application of knowledge and understanding of a range of scientific ideas, processes, techniques and methods: <ul style="list-style-type: none"> • to theoretical and practical contexts; and • when handling qualitative and quantitative data. Recording of work and refinements is of a good standard.		[8-10]	
	A satisfactory application of knowledge and understanding of some scientific ideas, processes, techniques and methods: <ul style="list-style-type: none"> • to theoretical and practical contexts; and • when handling qualitative and quantitative data. Recording of work and refinements is of a satisfactory standard.		[5-7]	
	A limited application of knowledge of scientific ideas, processes, techniques and/or methods was attempted Recording of work in the work log/portfolio record is of a basic standard.		[1-4]	
Award [0] for any element of the task not worthy of credit Pupil Activities MUST include a Case Study and a Database Pupil Activities COULD include fact sheets, reports, investigations				

Pupil Activities	Mark criteria	Marks Awarded	Marks Range	AO
	Experimental, research and investigation work has been independently completed skilfully and thoroughly, and where relevant, safely. Results are comprehensive and were obtained with a high degree of reliability and precision. Results have been interpreted in a rigorous way with relevant conclusions and evaluations leading to refinements.		[21-26]	AO3(i) [26] Practical
	Experimental, research and investigation work has been completed appropriately and where relevant, safely with minimal teacher guidance Results were obtained with a good degree of reliability and precision. Results have been interpreted appropriately and include appropriate judgements and valid conclusions.		[14-20]	
	Experimental, research and investigation work has been completed appropriately and where relevant, safely with some teacher guidance Results were obtained with some reliability and precision. A satisfactory attempt has been made to interpret results to reach some conclusions.		[7-13]	
	Experimental, research and investigation work has been completed appropriately and where relevant, safely with extensive teacher guidance. Some results were obtained but with limited reliability and precision. A basic attempt has been made to interpret results to reach a conclusion.		[1-6]	
	Results, scientific information, evidence and ideas have been analysed and interpreted in a rigorous way with relevant conclusions and evaluations leading to refinements. All information and sources have been referenced using the Harvard referencing system appropriately. Appropriate appendices have been included. Spelling, punctuation and grammar, form and style of writing, and use of scientific terminology are always of an excellent standard.		[22-28]	AO3(ii) [28] Theoretical
	Results, scientific information, evidence and ideas have been analysed and interpreted and evaluated to a good standard including making appropriate judgements and valid conclusions Most information and sources have been referenced using the Harvard referencing system appropriately. Appendices included are mostly appropriate. Spelling, punctuation and grammar, form and style of writing, and use of scientific terminology are always of a good standard.		[15-21]	
	A satisfactory attempt has been made to evaluate, analyse and interpret results and scientific information and to reach some conclusions. A satisfactory attempt to reference information and sources using the Harvard referencing system is used. Some appropriate appendices have been included. Spelling, punctuation and grammar, form and style of writing, and use of scientific terminology are always of satisfactory standard.		[8-14]	
	A basic attempt has been made to evaluate and/or analyse and/or interpret results and reach a conclusion. An attempt to reference sources is made. There may be some appendices included. Spelling, punctuation and grammar, form and style of writing, and use of scientific terminology are always of a limited standard.		[1-7]	
	Total Mark		/80	
Award [0] for any element of the task not worthy of credit				
Pupil Activities MUST include a Case Study and a Database Pupil Activities COULD include fact sheets, reports, investigations				