

Student Name: _____ **Class:** _____

Section 1 Proposal			
Question	Section 1	Marking Criteria	Marks Allocated
1.1	An overview of Investigation.	Explain what the experiment about? What will be measured, how, what equipment? Steps or a basic method is identified.	0 1 2 3 4 5
		Depth and quality of the researched information. Concepts explained, definitions, research is relevant to topic.	0 1 2 3 4 5
1.2	Aim	A well stated Aim. The purpose?	0 1 2
1.3	Hypothesis	A well stated Hypothesis makes a statement about the relationship between two variables.	0 1 2
1.4	Materials	Comprehensive List	0 1 2 3 4
1.5	Risk Assessment and or ethics	Identifies a potential hazard and how it could be reduced. If no particular hazard, <i>explain</i> why not.	0 1 2 3 4
1.6	Variables	Identify <i>Dependent</i> variable.(what is being measured and what with?)	0 1 2
		Identify <i>Independent Variable</i>	0 1 2
		Identify <i>Controlled</i> Variables	0 1 2 3 4
1.7	Log Book (ongoing)	Evidence of dated entries, relevant to the topic.	0 1 2
		<i>Relevant</i> information about topic and <i>reflective</i> thoughts are evident in the initial log	0 1 2

Feedback and comments:

SECTION 2. FIRST HAND INVESTIGATION				
Question	Section 2	Criteria	Marks Allocated	
2.1	Aim	Correctly written Aim rewritten or improved from Section 1	0 1 2	/2
2.2	Hypothesis	Correct Hypothesis	0 1 2	/2
2.3	Materials and Equipment	A Comprehensive list	0 1 2 4	/4
2.4	Method and Procedure	<ul style="list-style-type: none"> Written in third person 	0 1	
		<ul style="list-style-type: none"> Steps are numbered/ dot points 	0 1	
		<ul style="list-style-type: none"> <i>Logical</i> sequence and makes sense, easy to follow 	0 1 2	
		<ul style="list-style-type: none"> <i>The dependant variable</i> (effect) or factor being measured is clear 	0 1	
		<ul style="list-style-type: none"> + units are also given 	0 1	
		<ul style="list-style-type: none"> <i>Controlled</i> variables identified 	0 1 2 3 4	
		<ul style="list-style-type: none"> <i>The Independent Variable</i> is clearly identified. 	0 1	
		<ul style="list-style-type: none"> <i>Repetition</i> of experiment trials to ensure reliability, fairness 	0 1 2	
		<ul style="list-style-type: none"> Diagrams/photos used, labelled, neat, 2-D relates to experiment 	0 1 2	
		<ul style="list-style-type: none"> Table of Data (Title, columns labelled, units, neat/straight lines, the table “works”) 	0 1 2 3 4 5	(1 for each component)
		<ul style="list-style-type: none"> Averages are calculated from repeated data sets 	0 1 2	
		<ul style="list-style-type: none"> Data is accurate and relevant to the experiment 	0 1 2	
		<ul style="list-style-type: none"> Graph (Title/heading, correct use of scale, units, labels, accuracy.) 	0 1 2 3 4 5	(1 for each, max 5)
<ul style="list-style-type: none"> Correct type of graph used for data 	0 1			
2.6	Discussion	<ul style="list-style-type: none"> Did your experiment solve the problem? How? Why? Why not? 	0 1 2	
		<ul style="list-style-type: none"> Explanation of usefulness of the experiment to people or society? 	0 1 2	
		<ul style="list-style-type: none"> Any Weakness (s) Improvements are suggested and or Further options for future experiments mentioned .. 	0 1 2	

2.7	Conclusion	<ul style="list-style-type: none"> Well stated conclusion relating to hypothesis. 	0	1	2	
		<ul style="list-style-type: none"> Was the hypothesis supported or not? and 	0	1		
		<ul style="list-style-type: none"> Why, Why not? Reasons given by linking the trends in results into the conclusion. 	0	1	2	
2.8	Bibliography + Referencing	<ul style="list-style-type: none"> Correctly written format used, or some attempt is obvious. 	0	1	2	
		<ul style="list-style-type: none"> Variety of different sources or media types 	0	1	2	3
		<ul style="list-style-type: none"> No. of Sources used (1-2 =1M, 3-4=2M, 5-6=3M, 7+ =4) 	0	1	2	3

2.10	Overall Project Quality	<ul style="list-style-type: none"> Depth and quality of the investigation (teacher judgement; Excellent, sound, basic, non-serious attp / poor) 	0	1	2	3	4
2.9	Final Log Book	<ul style="list-style-type: none"> Quality -Log book entries are authentic and indicate evidence of student's own work, hand written and not tidied up... 	0	1	2	3	4
		<ul style="list-style-type: none"> Evidence of data sets, improvements made, thoughts & procedures used 	0	1	2		
		<ul style="list-style-type: none"> dated entries / time line 	0	1			

Teacher Comments and feedback:

	Marks
Part 1	
Part 2	
Total	
%	