

# SCIENTIFIC INVESTIGATIONS

## PROJECT ASSESSMENT FORM

Name(s) of learner(s)						Grade	Project number
PROJECT TITLE							
1. Intro	2. Method	3. Results & Discussion	4. Limitations, Further research, Conclusion	5. Originality, Creativity, value	6. Presentation	Initial Score	Final Score after Discussion
(10)	(20)	(20)	(10)	(10)	(30)	(100)	(100)
JUDGE'S NAME:  SIGNATURE				CONVENER'S NAME:  SIGNATURE			

SCORE: 0 or 1 or 2 for each of the items listed below:

0 = Not done/no evidence/incorrect

1 = Average or 50% correct or partially achieved

2 = Very good or well done

### I. INTRODUCTION (10 marks)

1.1	Literature Review/Background research is relevant and from adequate sources	
1.2	Literature Review/Background research is from credible sources	
1.3	Problem/issue/phenomena identified	
1.4	Purpose/Aim of the study is clear	
1.5	Hypothesis is correct and stated as a testable/falsifiable statement	
<b>TOTAL (10)</b>		

### 2. METHOD (20 marks)

2.1	Method/data collection approach is appropriate for the study	
2.2	Variables (control/fixed, independent, dependent) correctly stated	
2.3	Materials/apparatus listed or evident in the Procedure	
2.4	Procedure written correctly	
2.5	Procedure is clear, logical and repeatable	
2.6	Data collected is relevant to the study	
2.7	Sufficient data collected for the purposes of the study	
2.8	Number of trials/tests/replications adequate	
2.9	Evidence of measures to collect accurate data and minimise errors	
2.10	Correct units used for data collected e.g. length in cm	
<b>TOTAL (20)</b>		

### 3. RESULTS & DISCUSSION (20 marks)

3.1	Data represented correctly (e.g. Tables, Diagrams, Graphs)	
3.2	Data has been correctly and sufficiently analysed	
3.3	Patterns/trends/outliers identified	
3.4	Results discussed fully and correctly	
3.5	Results and discussion are linked to the aim of the study and the problem has been addressed	
3.6	All claims made are justified with data	
3.7	Data used to accept or reject/falsify the Hypothesis	
3.8	Discussion is substantive and logical	
3.9	Discussion cites literature, compares findings to other studies	
3.10	Significance/value of the study is explained	
<b>TOTAL (20)</b>		

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### 4. LIMITATIONS, FURTHER RESEARCH, CONCLUSION (10 marks)

4.1	Limitations and errors stated	
4.2	States how the study can be improved	
4.3	Recommendations for further research made	
4.4	Conclusions(s)/Summary of the findings stated	
4.5	Hypothesis is accepted or rejected	
<b>TOTAL (10)</b>		

### 5. ORIGINALITY, CREATIVITY AND VALUE (10 marks)

5.1	No evidence of plagiarism of ideas, text, images	
5.2	Knowledgeable about the field of study beyond the scope of the school curriculum	
5.3	Study that: Finds a new solution to a problem OR Improves on an existing solution OR Uses new methodology OR an improved method OR contributes to new knowledge	
5.4	Creative and resourceful e.g. uses available resources	
5.5	Shows mastery of the scientific investigative method	
<b>TOTAL (10)</b>		

### 6. PRESENTATION (30 marks)

<b>Written</b>		
6.1	Research Plan written in third person, future tense	
6.2	Journal/Data Book is present with data, notes	
6.3	Abstract is concise, substantial, written in third person, past tense	
6.4	<b>Project Report</b> has main sections: Introduction, Aim, Hypothesis, Variables, Method, Results, Discussion, Limitations, Conclusion, Further Research, References, Acknowledgements	
6.5	<b>Project Report</b> written with correct content under headings	
6.6	<b>Project Report</b> AND <b>Poster</b> have correctly labelled Tables, Graphs, and Diagrams. Illustrations and Photographs are correctly referenced and/or acknowledged	
6.7	<b>Poster</b> has main sections: Introduction, Aim, Hypothesis, Variables, Method, Results, Discussion, Limitations, Conclusion, Further Research, Acknowledgements	
6.8	<b>Poster</b> is a logical summary of the Project Report	
<b>Interview</b>		
6.9	Explains the Problem/issue/phenomenon logically	
6.10	Understands scientific concepts, terminology, theories, principles related to the study	
6.11	Explains the research method logically, clearly and concisely	
6.12	Explains the results correctly and fully	
6.13	Makes justifiable claims based on the scope of the research study	
6.14	Both members of group project understand and contribute/Learner understands the research fully	
6.15	Research study was done by the learner(s)	
<b>TOTAL (30)</b>		

Please provide additional information (attach additional writing paper to this judging sheet, if necessary):

1. If this work was not done by the learner(s), and/or ideas, text, images were plagiarised, please explain and provide evidence of this.

2. What improvements can you recommend?

3. Who could mentor this project? Name and contact details

4. Other Comments