MATHEMATICS/ THEORETICAL PROJECTS

PROJECT ASSESSMENT FORM

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

1. 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/Research Question correct and stated as a testable/falsifiable statement	
	TOTAL (10)	

2. METHOD (20 marks)

2.1	Variables (control/fixed, independent, dependent)/functions/mathematical relationships correct	
2.2	Method/data collection approach is appropriate for the study	
2.3	Mathematical/logical concepts and principles/tools, resources and materials stated	
2.4	Demonstrates significant understanding of the mathematical/logical processes and procedures	
2.5	Appropriate mathematical/theoretical technique(s) used	
2.6	Procedure executed accurately and thoroughly	
2.7	Procedures documented in detail so study can be replicated	
2.8	Demonstrates independent thinking, problem solving skills	
2.9	Evidence of measures to collect accurate data and minimise errors	
2.10	Correct use of data, proofs, arguments	
	TOTAL (20)	

3. RESULTS & DISCUSSION (20 marks)

3.1	Results shown in detail, accurate and logical	
3.2	Results represented appropriately e.g. Equations, Notations, Tables, Diagrams, Graphs	
3.3	Arguments easy to follow	
3.4	Grasp and mastery of mathematical terminology, notations, theoretical concepts	
3.5	All appropriate calculations are shown and are correct	
3.6	Assumptions used correctly	
3.7	Uses application of theorems/equations/theory correctly	
3.8	Discussion is logical and deductions are correct	
3.9	Discussion cites literature, compares findings to other studies	
3.10	Significance/value of the results explained	
	TOTAL (20)	

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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/Research Question answered	
	TOTAL (10)	

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	Demonstrates critical thinking/problem solving/logical reasoning	
5.5	The work is original and informative	
	TOTAL (10)	

6. PRESENTATION (30 marks)

Written		
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, third person, past tense	
6.4	**Project Report** has main sections: Introduction, Aim, Hypothesis/Research Question, Variables, Method, Results, Discussion, Limitations, Conclusion, Further Research, References, Acknowledgements	
6.5	**Project Report** written with correct content under headings	
6.6	**Project Report** AND **Poster** have correctly labelled Tables, Graphs, and Diagrams. Illustrations and Photographs are correctly referenced and/or acknowledged	
6.7	**Poster** has main sections: Introduction, Aim, Hypothesis, Variables, Method, Results, Discussion, Limitations, Conclusion, Further Research, Acknowledgements	
6.8	**Poster** is a logical summary of the Project Report	
Interview		
6.9	Shows in-depth understanding of mathematical concepts, principles/theories	
6.10	Explains the method, techniques and solutions correctly and adequately	
6.11	Explains the results/arguments correctly	
6.12	Makes justifiable claims based on the research study	
6.13	Explains relevance/impact/significance of the 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)	
	TOTAL (30)	

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