

Expo for Young Scientists Stellenbosch regional assessment

Name of learner(s):	JUN SEN	Project number:	Part A	Part B	Part C	INITIAL TOTAL	FINAL TOTAL AFTER DISCUSSION
	GRADE		/ 30	/ 20	/ 50	/ 100	/ 100
Title of project:			Name of judge (print please):		Comments/recommendations (medals, special prizes, etc.):		

PART C: LEVEL OF PROJECT (Total / 50)

COMMENTS BY JUDGE:	ORIGINALITY				
	<ul style="list-style-type: none"> High level of innovative thinking Creative research design with imaginative approach 	<ul style="list-style-type: none"> Good use of available resources and material, with possible self-made or adapted equipment Challenging and/or current topic 	<ul style="list-style-type: none"> Creative solution to an identified problem/need To the benefit of humankind 		
	Level 1 (poor)	Level 2 (fair)	Level 3 (good)	Level 4 (excellent)	
	A basic project with little originality (as described above)	Includes some creativity, complies with some of the above criteria.	Imaginative, complies with most of the above criteria	Excellent, impressively original and complies with all the above criteria.	
THOROUGHNESS <ul style="list-style-type: none"> Clear identification of problem, question, need or opportunity Thorough background study Attention to variables, repetitions and control treatments for experiments and surveys OR comprehensive number of well thought through questions for questionnaires and interviews with large enough target group OR progression in construction and functioning of systems, products or models Sustained effort to produce results or to improve the product/system Critical evaluation of the methods followed and results obtained or the product/system produced Appropriate and meaningful conclusions made from the information gathered, or the need was sufficiently and meaningfully addressed 	Level 1 (poor) A very basic investigation Little understanding of scientific process. Insufficient and/or incomplete procedure (as described in criteria)	20 ... 21	24 ... 25	28 ... 29	X
	22 ... 23	26 ... 27	30 ... 31		
	Level 2 (fair) An investigation done with limited testing and results Limited range, basic application of scientific method. Thoroughness can improve, complies with some of the described criteria	25 ... 26	29 ... 30	33 ... 34	37 ... 38
	27 ... 28	31 ... 32	35 ... 36	39 ... 40	
	Level 3 (good) An investigation done with sufficient testing and results Good application of the scientific method. Good thorough procedures, complies with most of the described criteria	30 ... 31	34 ... 35	38 ... 39	42 ... 43
	32 ... 33	36 ... 37	40 ... 41	44 ... 45	
	Level 4 (excellent) Genuinely unique topic/angle, done with substantial testing and results Full application of the scientific method. Excellent, impressive, exceptionally thorough methodology, complies with all the described criteria.	X	39 ... 40	43 ... 44	47 ... 48
	41 ... 42	45 ... 46	49 ... 50		

PART A: WRITTEN COMMUNICATION OF PROJECT (POSTER and PROJECT FILE)

Criteria	Levels of performance: 0 = Not done/not present 0.5 = Poor, very weak 1.0 = Fair, but can improve 1.5 = Good, well done 2 = Excellent, above expectation
Display of project is bright and eye-catching The exhibition makes an impact and captures the attention. Colour and contrast are used in a relevant, attractive and suitable way. Table display not too busy - compliments the topic.	
Poster summarises project and is neatly organised Includes problem / background / need, aim, hypothesis (where applicable), method. Important results in graphs and / or diagrams. Short discussion of results and conclusion. Has a logical flow: centre to sides or left to right.	
Report file neatly and logically organised File with clearly labelled sections, etc. Plagiarism pledge / binding agreement is at the front of the file.	
Written language on poster and in file Legible. Scientific. In third person. Suitable headings. No spelling mistakes. Readable from 2m away.	
Evidence of background research done Literature study / product study / need analysis: Summarized in introduction on poster and report, with copies / printouts in file.	
Aim of project On poster and in file: Can also be indicated as need addressed or research hypothesis.	
Methods (and materials) or technologies used Presented in logical order. Repeatable. More extensive in report than on poster.	
Results on poster and in file Summary in graph, table or diagram format on poster. All findings reported and presented in diagrams, tables and in graphs (where possible) in report.	
Interpretation/discussions Patterns or trends in results are noted and discussed. Unusual results discussed. Limitations noted and clarified. Future extensions / possibilities identified.	
Conclusions On poster and in report: Must be valid. Based on findings and linked to the aim / hypothesis.	
Diary / notebook / journal / timeline In report: What was done, when, where and how. Also circumstances, observations, successes, failures.	
Authentic material included in file and/or display Rough work / original data sheets / plans / diagrams / photos / questionnaires / previous models / emails / etc.	
Sketches, diagrams, graphs and tables On poster and in report: Scientifically and mathematically suitable and correct, e.g. dependent variable on y-axis, labels of axes, correct type of graph for data.	
References On poster and / or in report: Reference of books, magazines and internet addresses given in the correct format.	
Acknowledgements On poster and/or in report: People / organisations mentioned with detailed information on the kind of help given.	
TOTAL	/ 30
COMMENTS BY JUDGE:	

PART B: ORAL COMMUNICATION (INTERVIEW)

Criteria	Levels of performance: 0 = Not done, not present 0.5 = Poor, very weak 1.0 = Fair, but can improve 1.5 = Good, well done 2 = Excellent, above expectation
Capture of interest The learner's presentation is exciting and stimulating.	
Enthusiasm / effort A worthwhile effort was made to explain. Lots of enthusiasm present.	
Voice / tone Good audibility. Varying intonation.	
Self-confidence and body language Confident about the project. Little nervousness visible.	
Scientific language Use of appropriate and scientifically correct language and terminology.	
Response to questions Carefully listens to questions. Responds clearly and intelligently.	
Presentation of project Can present the project in a logical, verbally fluent and well organised way.	
Limitations and gaps The learner is fully aware of the limitations and gaps in research / product and can explain reasons for gaps.	
Possible suggestions to expand project The learner can suggest possibilities to expand or improve the project.	
Authenticity The learner takes ownership of the project and integrates adult assistance received in his / her answers to questions. Can demonstrate or explain all of the methods / techniques / apparatus used.	
TOTAL	/ 20
COMMENTS BY JUDGE:	