Marking Guide – Student Inquiry _____ Evaluator's Name: ______ Final Score: _____

Part A: Scientific Thought 20%		
Experiment	Innovation	
An investigation undertaken to test a specific	Involves the development and evaluation of new	
hypothesis using experiments. Experimental	devices, models, techniques or approaches in fields	
variables, if identified, are controlled to some	such as technology, engineering, or computers	
extent.	(software and hardware).	
Lev	el 1 (1-9)	
Duplicating a known experiment to confirm the	Building of models (devices) of existing technology.	
hypothesis. Hypothesis is totally predictable		
Leve	l 2 (10-12)	
Extend a known experiment through modification	Make improvements to, or demonstrate new	
of procedures, data gathering and application.	applications for existing technological systems or	
	equipment and justify them.	
Leve	l 3 (13-16)	
Devise and carry out an experiment with controls.	Design and build innovative technology or provide	
Variables are identified. Some significant	adaptations to existing technology that will have	
variables are controlled. Data analysis includes	economic applications and/or human benefit.	
graphic presentations.		
	14 (17-20)	
Devise and carry out experimental research that	Integrate several technologies, inventions or designs	
attempts to control or investigate most significant	and construct an innovative technological system	
variables. Data analysis includes graphic	that will have commercial and/or human benefit.	
presentations and may include some simple		
statistical analysis.		

Part B: Creativity 15%					
Level 1 (1-7)	Level 2 (8-10)	Level 3 (10-13)	Level 4 (14-15)	Mark	
Little creativity shown.	Some creativity shown in	Imaginative project.	A highly original		
Project design is simple	a project of fair to good	Good use of available	project or a novel		
with minimal student	design. Standard approach	resources. Well thought	approach. Shows		
input. A textbook or	using common resources	out. Creativity in design	resourcefulness.		
magazine type project.	or equipment. Topic is a	and/or use of materials.	Creativity in design,		
	current or common one.		use of materials		

	Par	rt C: Skill 30%		
To what extent does the p	project/exhibit represent the	student's own skills?		
Were the questions answe	ered effectively and accurate			
Was the workmanship of the display skilful? -Project requires minimum maintenance and repair			pair	
Level 1 (1-14)	Level 2 (14-20)	Level 3 (21-26)	Level 4 (27-30)	Mark
Little skill is shown.	Some skill is shown.	A good level of skill is	A high level of skill is	
		shown	shown	

	Part D	Dramatic Value 15%		
Presentation was enthu	siastic and comprehensive			
Visual aids utilized				
Display effectively pre	sents project – not too crowd	led, well organize and self-	explanatory, visually attractive/	dramatic
Level 1 (1-7)	Level 2 (8-10)	Level 3 (10-13)	Level 4 (14-15)	Mark
Presentation did not	Presentation displayed	Presentation displayed	Presentation displayed very	
effectively present the	some enthusiasm. Some	good enthusiasm. A	good enthusiasm. A	
project	visual aids were used.	number of visual aids	number of visual aids	
	Presentation was	were used. Presentation	were used. Presentation was	
	partially effective	was effective.	fully effective.	

Part E. Written Ren nt 200/-

of the project presented i			
of the project presented i	in a logical and scientific m	nanner? Has the student expressed	ed
student must prepare the	written report.		
eed five (5) pages, 22 x 2	28 cm size (approx 8.5 x 11	l in), double-spaced, 12 pt. font,	, typewritten
andwritten equivalent the	ereof) including all graphs,	diagrams, etc.	
simple format, and inclu-	de:		
ing the aims and objectiv	ves of the work)		
mary of the significant n	naterials and methods used	in the study)	
•	· · · · · · · · · · · · · · · · · · ·		
nt (acknowledging help r	eceived)		
Level 2 (10-12)	Level 3 (13-16)	Level 4 (17-20)	Mark
Partially meets the	Mostly meets the	Fully meets the criteria	
-	criteria listed above.	listed above.	
	student must prepare the ceed five (5) pages, 22 x 2 andwritten equivalent the simple format, and inclu- ting the aims and objective mary of the significant n ary of the results/observa unmary of the conclusion nt (acknowledging help r	student must prepare the written report.ceed five (5) pages, 22 x 28 cm size (approx 8.5 x 11)andwritten equivalent thereof) including all graphs,simple format, and include:ting the aims and objectives of the work)mary of the significant materials and methods usedary of the results/observations)ummary of the conclusions)numary of the conclusions)numary of the conclusions)numary of the conclusionsnumary of the conclusionsnu	student must prepare the written report.ceed five (5) pages, 22 x 28 cm size (approx 8.5 x 11 in), double-spaced, 12 pt. font.andwritten equivalent thereof) including all graphs, diagrams, etc.simple format, and include:ting the aims and objectives of the work)mary of the significant materials and methods used in the study)ary of the results/observations)ummary of the conclusions)nt (acknowledging help received)Level 2 (10-12)Level 3 (13-16)Level 4 (17-20)Partially meets theMostly meets theFully meets the criteria