

Judging Form

Project number _____

Project Title _____



Part A: Scientific Thinking Mark: ____ / 50		
Experiment	Innovation	Study
Level 1 Mark Range 26 to 30		
Duplicate a known experiment to confirm the hypothesis. The hypothesis is totally predictable.	Build models (devices) to duplicate existing technology.	Study existing printed material related to the basic issue.
Level 2 Mark Range 31 to 35		
Extend a known experiment through modification of procedures, data gathering, and application.	Make improvements to or demonstrate new applications for existing technological systems or equipment and justify them.	Study material collected through a compilation of existing data and through personal observations. Display attempts to address a specific issue.
Level 3 Mark Range 36 to 41		
Devise and carry out an original experiment. Identify and control some of the significant variables. Carry out an analysis using graphs or simple statistics.	Design and build innovative technology or provide adaptations to existing technology that will have human benefit and/or economic applications.	Carry out a study based on observations and literary research illustrating various options for dealing with a relevant issue. Include appropriate analysis (arithmetic, statistical, or graphical) of some significant variable(s).
Level 4 Mark Range 42 to 50		
Devise and carry out original experimental research which attempts to control or investigate most significant variables. Include statistical analysis in the treatment of data.	Integrate several technologies, inventions or designs and construct an innovative technological system that will have human and/or commercial benefit.	Correlate information from a variety of significant sources which may illustrate cause and effect or original solutions to current problems through synthesis. Identify significant variable(s) with an in-depth statistical analysis of data.

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Part B: Creativity and Originality Mark: _____ / 20			
Level 1 (10 to 11)	Level 2 (12 to 14)	Level 3 (14 to 15)	Level 4 (16 to 20)
Simple design with little student input. A textbook type project.	Some creativity in a project of fair to good design. Topic is a common one.	Imaginative project, well thought out. Some creativity in design or use of materials.	Highly original approach, showing much resourcefulness and creativity.

Part C: Display and Presentation Total Mark: _____ / 30				
	Level 1	Level 2	Level 3	Level 4
Clarity of Display ___ / 5	Considerable effort is needed to understand the project.	The project is understood after some study and conversation with the student.	Little effort is needed to understand all aspects of the projects.	The point of the project is immediately apparent. No questions need to be asked.
Quality of Work ___/5	Little evidence of precision or tidiness. Minimal effort shown.	Some evidence of effort. Some care shown in the production of the project.	Considerable effort is seen in the project. Most aspects show careful work.	The result of great effort is seen. All aspects of the project show precise, accurate, tidy execution.
Project Summary & Log Book ___ / 5	Summary & Log Book do not capture main points or are absent.	Some effort indicated in writing summary. There is a log book with data in it.	Summary captures most parts of project. Log book presents relevant raw data and indicates progress.	Summary captures all main parts of project. Log book very accurately reflects studies progress.
Verbal Presentation ___/15	Little of the project content can be explained (1-7)	Some of the project is explained during the presentation. (8-9)	Most of the project is explained during the presentation (10-11)	Clear, concise, and complete explanation of project. (12-15)

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Total Score _____