RSLSF JUDGING FORM	Project Number:	Name of Entry:	
Scientific Thought	Only choose one of following; Experiment, Innovation or Study		
Experiment	Undertake an investigation to test a scientific hypothesis by the experimental method featuring identification and control of variables		
Level 1 Poor (0 to 1)	**Level 2 Fair (2 to 4)**	**Level 3 Good (5 to 7)**	**Level 4 Excellent (8 to 10)**
A known experiment is performed to confirm previous findings.	A known experiment is extended with modest improvements to the procedures; data is gathered and possible applications are given.	Original experiment; significant variables are identified and control is attempted; data analysis uses appropriate arithmetic, graphic and statistical methods.	Original experiment; significant variables are identified and controlled; data analysis is thorough and complete.
Innovation	Develop and evaluate new devices, models, theorems, physical theories, techniques or methods in technology, engineering, computing, natural or social science.		
Level 1 Poor (0 to 1)	**Level 2 Fair (2 to 4)**	**Level 3 Good (5 to 7)**	**Level 4 Excellent (8 to 10)**
A model or device is duplicated to demonstrate a well- known physical theory or social/behavioural intervention.	A technological system or device is improved with some justification of human or commercial benefit.	Innovative technology is designed, or existing technology is adapted to create an application with some advancement of knowledge, human or economic benefit. The design process is described for the most part.	Innovative technology (may include integration of more than one technology) is designed and constructed that advances knowledge and clearly has human and/or commercial benefit. The process of design is well-described.

Score

Study	Analysis of and possibly collections of data using accepted methodologies. Includes studies involving human subjects, biology field studies, data mining from web resources, observations and pattern recognition in physical and or sociology/behavioural data.			
Level 1 Poor (0 to 1)	**Level 2 Fair (2 to 4)**	**Level 3 Good (5 to 7)**	**Level 4 Excellent (8 to 10)**	**Score**
Existing published material is presented with little analysis. A meaningful result is not evident.	Existing published material is presented with modest analysis but yields limited data that cannot support a meaningful result.	The study is based on systematic observations and a literature search. A detailed description of procedures and techniques with analysis of significant variables is presented. Enough data is collected to produce a meaningful result.	The study correlates information from a variety of peer-reviewed publications and from systematic observations. It reveals significant new information or original solutions to problems. A detailed description of procedures and techniques with analysis of significant variables is presented.	
Originality/Creativity	Has this project been done before by others? If it is a project seen before, was there anything novel about it? Uniqueness of materials used or ideas presented, how did they think of project?			
Level 1 Poor (0 to 1)	**Level 2 Fair (2 to 4)**	**Level 3 Good (5 to 7)**	**Level 4 Excellent (8 to 10)**	**Score**
The project design is simple with little evidence of student imagination. It can be found in other resources.	Project design is simple with some evidence of imagination. It uses common resources and equipment and is a current or common topic.	This imaginative project makes creative use of available resources. It is well thought out and some aspects are above average.	This highly original project demonstrates a novel approach. It shows resourcefulness and creativity in the design, use of equipment, construction and/or analysis.	
Communication: Oral Presentation	How the participants present their project, are they just reading their board or presenting the project. How well do they understand the scientific principles involved in project.			
Level 1 Poor (0 to 1)	**Level 2 Fair (2 to 4)**	**Level 3 Good (5 to 7)**	**Level 4 Excellent (8 to 10)**	**Score**
The presentation is not effective, nor clearly thought out. Questions are answered with little understanding.	The presentation is not as effective as it could be. Some questions are answered with understanding. One of the group of members may have demonstrated a stronger contribution.	The presentation is clear, well-thought out and executed. Most questions are answered with understanding. In a group project, both members made an equitable contribution to the presentation.	The presentation is clear, logical and enthusiastic. All questions are answered with understanding. In a group project both members contributed equitably and effectively to the presentation.	

Communication: Visual Display	Looking at the display board and any other visual aids present.			
Level 1 Poor (0 to 1)	**Level 2 Fair (2 to 4)**	**Level 3 Good (5 to 7)**	**Level 4 Excellent (8 to 10)**	**Score**
The visual display is incomplete and poorly presented. The project report is poorly written with one or two references at most.	The visual display lacks some elements but is well presented. The project report is mostly complete. There is a bibliography lists as URLs.	The visual display is well thought out. The exhibit is attractive and well presented. The project report is well written. The bibliography may be short but is relevant.	The visual display is logical and self-explanatory. The exhibit is attractive and well presented. The project report is clearly written and informative. The bibliography is extensive and relevant.	
Communication: Logbook	Looking at the Logbook of project (unofficial notes, observations made during project)			
Level 1 Poor (0 to 1)	**Level 2 Fair (2 to 4)**	**Level 3 Good (5 to 7)**	**Level 4 Excellent (8 to 10)**	**Score**
No Logbook available, Logbook contains some dates and information	Logbook contains most dates and information pertaining to project	Logbook contains all dates and information pertaining to project	Logbook contains all dates and information, as well as updates and extended notes	
Indigenous Knowledge	Looking at the project to determine if Indigenous knowledge or traditions are included			
Level 1 Poor (0)	**Level 2 Fair (1 to 2)**	**Level 3 Good (3 to 4)**	**Level 4 Excellent (5)**	**Score**
No Indigenous knowledge incorporated	Minor Indigenous knowledge or background information incorporated; minimal benefit of knowledge to society. Acknowledges the indigenous people whose land project performed on.	Fair amount of indigenous knowledge and traditions incorporated to benefit variety of society. Has statement acknowledging the indigenous people whose land project performed on included on board.	Fully incorporated indigenous knowledge and traditions to benefit all of society. Full acknowledgement of the indigenous people whose land project performed on and where fair being held, included in oral presentation.	

SCORING: Transfer scores from above into the appropriate column. Multiply as stated to provide the weighting.

Scientific Thought	**Score (0 to 10)_____**	**X5_____(50)**
Originality	**Score (0 to 10) _____**	**X1.5_____(15)**
Comm. Oral Presentation	**Score (0 to 10)_____**	**X1 _____(10)**
Comm. Visual Display	**Score (0 to 10)_____**	**X1_____(10)**
Comm. Logbook	**Score (0 to 10_____**	**X1 _____ (10)**
Indigenous Knowledge	**Score (0 to 5) _____**	**X1 _____ (5)**
	Final Score	**Total _____(100)**