

**Project Judging Form
Fraser Valley Regional Science Fair**



**Youth Science Canada
Sciences jeunesse Canada**

PART A: SCIENTIFIC THOUGHT – 45%		MARK _____ / 45
<p>Experiment</p> <p>Undertake an investigation to test a scientific hypothesis by the experimental method. At least one independent variable is manipulated and extraneous variables are controlled.</p>	<p>Innovation</p> <p>Develop and evaluate new devices, models, theorems, physical theories, techniques, or methods in technology, engineering, computing, natural science, or social science.</p>	<p>Study</p> <p>Case studies or analysis of data taken by others, are examples of legitimate scientific inquiry that are neither Experiments nor Innovations, Field study methods or correlations are often used.</p>
LEVEL 1 (low) Mark Range 6 to 15		
Replicate a known experiment to confirm previous findings.	Build a model or device to duplicate existing technology or to demonstrate a well-known physical theory or social/behavioural intervention.	Existing published material is presented, unaccompanied by any analysis.
LEVEL 2 (fair) Mark Range 16 to 25		
Extend a known experiment with modest improvements to the procedures, data gathering and possible applications.	Improve or demonstrate new applications for existing technological systems, social or behavioural interventions, existing physical theories or equipment, and justify them.	Existing published material is presented, accompanied by some modest analysis.
LEVEL 3 (good) Mark Range 26 to 35		
Devise and carry out an original experiment. Identify the significant variables and attempt to control them. Analyse the results using appropriate arithmetic, graphical or statistical methods.	Design and build innovative technology; or provide adaptations to existing technology or to social or behavioural interventions; extend or create new physical theory. Human benefit, advancement of knowledge, and/or economic applications should be evident.	The study is based on systematic observations and a literature search. Appropriate analysis of some significant variable(s) is included, using arithmetic, statistical, or graphical methods.
LEVEL 4 (excellent) Mark Range 36 to 45		
Devise and carry out original experimental research in which most significant variables are identified and controlled. The data analysis is thorough and complete.	Integrate several technologies, inventions, social/behavioural interventions or design and construct an innovative application that will have human and/or commercial benefit. Alternatively, unify two or more existing physical theories and make verifiable predictions.	The study correlates information from a variety of peer-reviewed publications and observations, and reveals significant new information, or original solutions to problems. Significant variable(s) are identified with a complete statistical analysis of the data.

PART B: ORIGINAL CREATIVITY – 25%			MARK _____ / 25
LEVEL 1 (low) Mark Range 6 to 10	LEVEL 2 (fair) Mark Range 11 to 15	LEVEL 3 (good) Mark Range 16 to 20	LEVEL 4 (excellent) Mark Range 21 to 25
The project design is simple with little evidence of student imagination. It can be found in books or magazines.	The project design is simple with some evidence of student imagination. It uses common resources or equipment. The topic is a current or common one.	This imaginative project makes creative use of the 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 the analysis.

Use this form to evaluate each exhibit, and to assist you in ranking the exhibits assigned to you. This mark will not be used in subsequent rounds of judging. **Return this form to the Team Leader of your Judging Team.**

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JUDGE'S NAME: _____
 JUDGE'S TEAM: _____
 FINALIST'S NAME #1: _____
 FINALIST'S NAME #2: _____
 TITLE: _____

PART C: VISUAL DISPLAY – 8%	Max	Mark
Layout logical and self-explanatory	5	
Exhibit attractive & well-constructed	3	
Total mark for visual display	8	

PART D: ORAL PRESENTATION – 8%	Max	Mark
Clear, logical, enthusiastic presentation	5	
Response to questions	3	
Total Mark for Oral Presentation	8	

PART E: FIVE-PAGE REPORT & PROJECT LOG – 14 %	Max	Mark
Information content / substance	4	
Readability / clarity	3	
Bibliography & citations	3	
Project log (hard copy or electronic)	4	
Total for Five-Page Report & Log	14	

TOTAL MARKS	Max	Mark
PART A: Scientific Thought (Page 1)	45	
PART B: Original Creativity (Page 1)	25	
PART C: Visual Display	8	
PART D: Oral Presentation	8	
PART E: Five-page report and project log	14	
Total Mark Awarded to this Project	100	

JUDGING NOTES:

Strengths: _____

Weakness: _____

Judge's Name (Please Print) _____ Judge's Signature: _____

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