

Northern BC Regional Science Fair Judging Form: Grades 7 - 12

Project Number:	Student Name(s):
Grade:	Title:

Part A: Scientific Thought (Choose one of the following categories.)

Experiment	Innovation	Study
An investigation undertaken to test a scientific hypothesis using experiments. Experimental variables, if identified, are controlled to some extent.	The development and evaluation of innovative devices, models or techniques or approaches in technology, engineering or computers (hardware/software).	A collection and analysis of data to reveal evidence of a fact or a situation of scientific interest. May include a study of cause and effect relationships or theoretical investigations of scientific data.
Level One: (low) Mark Range 0 – 10		
Duplication of a known experiment to confirm the hypothesis. The hypothesis is totally predictable.	Building models (devices) to duplicate existing technology.	Study of existing printed material related to the basic issue.
Level Two: (fair) Mark Range 11 – 20		
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 of material collected through personal observations. Display attempts to address a specific issue.
Level Three: (good) Mark Range 21 – 30		
Devise and carry out an original experiment with controls. Variables identified. Some significant variables are controlled. Analysis such as graphs and simple statistics.	Design and build innovative technology that will have human benefit and/or economic applications.	Study based on observations and literary research illustrating various options for dealing with a relevant issue. Appropriate analysis (arithmetic, statistical, or graphical) of some significant variable(s).
Level Four: (excellent) Mark Range 31 – 40		
Devise and carry out original experimental research which attempts to control or investigate most significant variables. Data analysis includes statistical analysis.	Integrate several technologies, inventions or designs and construct an innovative technological system that will have human and/or commercial benefit.	Study correlating information from a variety of significant sources & may illustrate cause and effect or original solutions to current problems through synthesis. Significant variable(s) are identified with in-depth statistical analysis of data.

Part A: Scientific Thought	MAX	MARK
MARK GIVEN FOR PART A	40	

Part B: Original Creativity		
Level 1: (low) Mark Range 0 – 5 Little imagination shown. Project design is simple with minimal student input.		
Level 2: (fair) Mark Range 6 – 10 Some creativity shown. Standard approach using common resources or equipment. Topic is a current or common one.		
Level 3: (good) Mark Range 11 - 15 /Imaginative project. Good use of available resources. Well thought out, above ordinary approach. Creativity in design or use of materials.		
Level 4: (excellent) Mark Range 16 – 20 A highly original project or a novel approach. Shows resourcefulness. Creativity in design, use of equipment and/or construction of project.		
Part B: Original Creativity	MAX	MARK
MARK GIVEN FOR PART B	20	

Part C: Presentation Materials	MAX	MARK
Logical, self-explanatory and clearly present content of project	10	
Innovative method of presenting project including utilizing multiple presentation methods (photos, video, poster, etc.)	5	
MARK GIVEN FOR PART C	15	

Part D: Oral Presentation	MAX	MARK
Response to questions.	10	
Clear, logical, enthusiastic presentation.	5	
MARK GIVEN FOR PART D	15	

Part E: Project Log	MAX	MARK
Project Log (hard copy or electronic).	10	

Final Mark: A+B+C+D+E Total	/100
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