



Official Project Evaluation Form

Eastern Newfoundland Science & Technology Fair – April 13, 2018

Project Number: _____ **Category:** Life Physical Engineering

Level: Junior (grade 7, 8) Intermediate (grade 9, 10) Senior (grade 11, 12)

Project Title: _____

Finalist Name(s): _____

Categorize this project as an experiment, innovation, or study (choose only one)

Experiment <input type="checkbox"/> An investigation undertaken to test a scientific hypothesis using experiments. Experimental variables, if identified, are controlled to some extent.	Innovation <input type="checkbox"/> The development and evaluation of innovative devices, models, or techniques or approaches in technology, engineering or computers (hardware or software).	Study <input type="checkbox"/> Collection and analysis of data to reveal evidence of a fact or situation of scientific interest. May include a study of cause and effect relationships or theoretical investigations of scientific data.
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Part A – Scientific Thought – 45 %

Part A MARK _____

According to the project type that was chosen above and the criteria listed below, choose an appropriate level for this project then assign a mark for scientific thought within the range specified for the level chosen.

<input type="checkbox"/> Level 1 (low) Duplicate a known experiment to confirm the hypothesis. The hypothesis is easily predictable.	Mark Range 5 to 15 Build a model (or device) that duplicates existing technology.	Study of existing printed material related to the basic issue.
<input type="checkbox"/> Level 2 (fair) Extend a known experiment through modification of procedures, data gathering, and application.	Mark Range 15 to 25 Make improvements to, or demonstrate new applications for existing technological systems or equipment and justify them.	Study of material collected through compilation of existing data and through personal observations. Display attempts to address a specific issue.
<input type="checkbox"/> Level 3 (good) Devise and carry out an original experiment with controls. Variables are identified. Some significant variables are controlled. Analyses, such as graphs or simple statistics, are present.	Mark Range 25 to 35 Design and build innovative technology or provide adaptations to existing technology that will have human benefit and/or economic applications.	Study based on observations and literary research issues illustrating various options for dealing with a relevant issue. Appropriate analysis (arithmetic, statistical, or graphical) of some significant variable(s).
<input type="checkbox"/> Level 4 (excellent) Devise and carry out original experimental research, which attempts to control or investigate most significant variables. Data analysis includes statistical analysis.	Mark Range 35 to 45 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, which 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.

(DO NOT WRITE IN THIS AREA)

Part B – Original Creativity – 25 %

Part B MARK _____

Based on the criteria below, choose an appropriate level, then assign this project a mark within the range specified.

Level 1 (low) <input type="checkbox"/> Mark Range 5 to 10 Little imagination shown. Project design is simple with minimal student input. A textbook or magazine type project.	Level 2 (fair) <input type="checkbox"/> Mark Range 10 to 15 Some creativity shown in the project with fair to good design. Standard approach using common resources or equipment. Topic is a current or common one.	Level 3 (good) <input type="checkbox"/> Mark Range 15 to 20 Imaginative project. Good use of available resources. Well thought out, above ordinary approaches. Creativity in design and/or use of materials.	Level 4 (excellent) <input type="checkbox"/> Mark Range 20 to 25 A highly original project or a novel approach. Shows resourcefulness. Creativity in design, use of equipment, and/or construction of project.
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Part C – Visual Display – 13 %

Criteria	Max.	Mark
Display layout is logical and self-explanatory	9	
Display is attractive and well-constructed	4	
Total Mark Part C	13	

Part E – Abstract & Project Log – 4 %

Criteria	Max.	Mark
Project abstract (summary) is present	2	
Project log is present	2	
Total Mark Part E	4	

Part D – Oral Presentation – 13 %

Criteria	Max.	Mark
Clear, logical and enthusiastic delivery	9	
Clear and accurate responses to judge's questions	4	
Total Mark Part D	13	

MARK SUMMARY

Part	Max.	Mark
A – Scientific Thought	45	
B – Original Creativity	25	
C – Visual Display	13	
D – Oral Presentation	13	
E – Abstract & Project Log	4	
Overall Mark Awarded to this Project	100	

Judge's Names: 1. _____
 (please print)
 2. _____
 3. _____
 4. _____

Judge's Signatures: 1. _____
 2. _____
 3. _____
 4. _____

Please complete the section below. The chief judge will remove it and give it to the finalists.

Project Number: _____

Feedback for the finalist(s)

Strengths:

Recommendations:
