Project Evaluation Form

Eastern Newfoundland Science & Technology Fair – April 8, 2022

Category: Life Science ☐ Physical Science ☐

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

Project Title/Topic: _____

Student's Name(s): _____

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

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 or software).	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.

Part A – Scientific Thought – 40 %

Points _____

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

☐ **Level 1 (low)** **Point Range 1 to 10**

Duplicate a known experiment to confirm the hypothesis. The hypothesis is easily predictable.	Build a model (or device) that duplicates existing technology.	Study of existing printed material related to the basic issue.

☐ **Level 2 (fair)** **Point Range 11 to 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 compilation of existing data and through personal observations. Display attempts to address a specific issue.

☐ **Level 3 (good)** **Point Range 21 to 30**

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.	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).

☐ **Level 4 (excellent)** **Mark Range 31 to 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, 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 – 20 %

Points _____

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

Level 1 (low) ☐	Level 2 (fair) ☐	Level 3 (good) ☐	Level 4 (excellent) ☐
Mark Range 1 to 5	**Mark Range 6 to 10**	**Mark Range 11 to 15**	**Mark Range 16 to 20**
Little imagination shown. Project design is simple with minimal student input. A textbook or magazine type project.	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.	Imaginative project. Good use of available resources. Well thought out, above ordinary approaches. Creativity in design and/or use of materials.	A highly original project or a novel approach. Shows resourcefulness. Creativity in design, use of equipment, and/or construction of project.

Part C – Visual Display – 15 %

Criteria	Max.	Points
Project slides are logical and easy to follow	10	
Project slides are neat and attractive	5	
Total Points Part C	15	

Part D – Oral Delivery – 20 %

Criteria	Max.	Points
Clear, logical, and enthusiastic delivery and explanation of the project	10	
Clear and accurate responses to judges' questions	10	
Total Points Part D	20	

Part E – Project Abstract – 5 %

Criteria	Max.	Points
Project abstract is present and well written	5	
Total Points Part E	5	

MARK SUMMARY

Part	Max.	Points
A – Scientific Thought	40	
B – Original Creativity	20	
C – Visual Display	15	
D – Oral Delivery	20	
E – Project Abstract	5	
Total Points Awarded to this Project	100	

Judges' Names: 1. _____

2. _____

3. _____

Please write at least one strength and one recommendation below. The chief judge will forward these comments to the students.

Feedback for the student(s)

Strengths:

_____

_____

_____

_____

_____

Recommendations:

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