Judge's Marking Sheet Niagara Regional Science & Engineering Fair

Part A: Scientific Thought 45%

Choose a level where the projects falls …………………………………….…. Assign a mark in this range

☐ **Level 1**   **Mark Range   6 to 15**

     Replicate a known experiment, confirming previous findings
     Build a model or device to replicate existing technology
     Existing published material presented (study), no real analysis

☐ **Level 2**   **Mark Range 16 to 25**

     Extend a known experiment with modest improvements to procedures, etc
     Improve an existing technology, Study includes modest data analysis

☐ **Level 3**   **Mark Range 26 to 35**

     Devise and carry out an original experiment, identify many significant variables
     Innovative technology, extends existing technology. Study includes significant data analysis

☐ **Level 4**   **Mark Range 36 to 45**

     An original experiment with most variables identified and controlled, complete data analysis
     Innovative application of technologies, Study reveals significant new information or original solution

→ ☐ **/45** — Part A Mark

Part B: Scientific Originality 25% *(Check the bibliography, Ask how much they did themselves)*

☐ **Level 1**   **Mark Range   6 to 10**

     Simple design with very limited original input or imagination
     It can be found on the internet, in books or magazines

☐ **Level 2**   **Mark Range 11 to 15**

     Simple design with some student imagination.
     Common topic, uses common resources and equipment

☐ **Level 3**   **Mark Range 16 to 20**

     Imaginative project, creative use of available resources and equipment
     Well thought-out, above average design and use of resources

☐ **Level 4**   **Mark Range 21 to 25**

     Highly original and using a novel approach
     Resourceful use of available materials, use of equipment, and analysis

→ ☐ **/25** — Part B Mark

Part C: Visual DIsplay 10% Assign a mark to each point below and add together

Layout logical and self-explanatory		_____ /4
Readability / clarity	+	_____ /3
Exhibit attractive and well constructed	+	_____ /3 =

→ ☐ **/10** — Part C Mark

Part D: Oral Presentation 15% Assign a mark to each section below and add together

Clear, logical, enthusiastic presentation		_____ /5
Information content / substance		_____ /5
Responses to questions	+	_____ /5 =

→ ☐ **/15** — Part D Mark

Part E: Bibliography and Logs 5% Assign a mark to each section below and add together

Bibliography and citations		_____ /3
Project Log (hard copy or electronic)	+	_____ /2 =

→ ☐ **/5** — Part E Mark

TOTAL Mark Awarded to this project   ☐ **/100**

If you have any comments, please use the back of this page