

EKRSF Judging Form – Experiment

EXPERIMENT – an investigation undertaken to test a specific hypothesis

Project #: _____

Judge's Name: _____

Abbreviated Project Title: _____

| Grading Guideline | Scientific Thought | | | |
|-------------------|--|-----------------------|------------------|-----------------|
| 2 – 4 | Replicates a known experiment to confirm previous findings. | | | |
| 4 – 6 | Extends a known experiment with modest improvements to procedures, data gathering and possible applications. | | | |
| 6 – 8 | Devises and carries out an original experiment. Significant variables are identified and an attempt is made to control them. Results are analyzed using appropriate arithmetic, graphical and statistical methods. | | | |
| 8 – 10 | Devises and carries out original experimental research in which the most significant variables are identified and controlled. Data analysis is thorough and complete. | Score (1 - 10) | Weighting Factor | Weighted Score |
| | Judge's Score | | x 4.5 = | office use only |

| Grading Guideline | Originality and Creativity | | | |
|-------------------|---|-----------------------|------------------|-----------------|
| 2 – 4 | Little imagination is evident. Project design is simple or may be found in textbooks or magazines. | | | |
| 4 – 6 | The project design is simple with some evidence of student imagination. It uses common resources or equipment. The topic is a common or contemporary. | | | |
| 6 – 8 | This imaginative project makes creative use of available resources. Considerable thought and creativity are evident. | | | |
| 8 – 10 | A highly-original project or novel approach that shows resourcefulness and creativity in the design, use of equipment, construction or analysis. | Score (1 - 10) | Weighting Factor | Weighted Score |
| | Judge's Score | | x 2.5 = | office use only |

| | Score (1 - 10) | Weighting Factor | Weighted Score |
|---|-----------------------|------------------|-----------------|
| Display is self-explanatory, layout is logical, and is prepared by the student. | | x 0.5 = | office use only |
| Exhibit is attractive, well constructed and prepared by the student. | | x 0.3 = | office use only |

Project #: _____

| Oral Presentation | Score (1 - 10) | Weighting Factor | Weighted Score |
|---|---------------------------|-----------------------------|---------------------------|
| Clear, logical, enthusiastic presentation | | x 0.5 = | office use only |
| Ability to answer questions | | x 0.3 = | office use only |

| Printed and Written Material | Score (1 - 10) | Weighting Factor | Weighted Score |
|--|---------------------------|-----------------------------|---------------------------|
| Information, content and substance of project report or display | | x 0.4 = | office use only |
| Clear and easy to read | | x 0.3 = | office use only |
| References and acknowledgements | | x 0.3 = | office use only |
| Project Logbook (if no logbook is present, enter "0" for this score) | | x 0.4 = | office use only |

Please check one (). This project is poor fair good excellent

Independent of the scores listed on this sheet, based on scientific merit and student effort, I would give this project an overall score of _____ / 100.

Please check one (.

I (do not recommend) (recommend) (strongly recommend) this project for an award.

If you recommended or strongly recommended this project for an award, please check appropriate categories.

Best Project in the Category of:

- | | | |
|--|--|---|
| <input type="checkbox"/> Indigenous theme/content | <input type="checkbox"/> animal or plant care | <input type="checkbox"/> physics |
| <input type="checkbox"/> workplace safety | <input type="checkbox"/> agricultural science | <input type="checkbox"/> math |
| <input type="checkbox"/> water resources / water science | <input type="checkbox"/> conservation of electricity | <input type="checkbox"/> computer science |
| <input type="checkbox"/> plastic waste in oceans | <input type="checkbox"/> wildlife / habitats | <input type="checkbox"/> astronomy |
| <input type="checkbox"/> fisheries | <input type="checkbox"/> nature | <input type="checkbox"/> engineering |
| <input type="checkbox"/> forestry | <input type="checkbox"/> genetics / genomics | <input type="checkbox"/> geology/geography |
| <input type="checkbox"/> mining | <input type="checkbox"/> originality | <input type="checkbox"/> combining science and innovation |
| <input type="checkbox"/> consulting with the public | <input type="checkbox"/> by a young woman | <input type="checkbox"/> land / aquatic environment re-habilitation or conservation |
| <input type="checkbox"/> scientific method / scientific design | <input type="checkbox"/> commercial potential | |
| <input type="checkbox"/> other (please specify area)... | | |

Additional judge's comments, if any, to judging team or to student (your name will not be disclosed):

Please complete all fields in this form and return to Dave Dick (ddick@cotr.bc.ca).

Thank you