



Judge's Junior/Intermediate/Senior Scoring Sheet – Side A

| PART A: SCIENTIFIC THOUGHT - 45 % | | | Mark |
|---|---|---|-------------|
| Experiment An investigation undertaken to test a scientific hypothesis experimentally. The variables, if identified, are controlled to some extent. | Innovation The development and evaluation of innovative devices, models or techniques or approaches in technology, engineering or computers (hardware or software). | Study A collection and analysis of data to reveal evidence of a fact or a situation of scientific interest. It could include a study of cause and effect or theoretical investigations of scientific data. | |
| Level 1 (low) Score Range 5 to 15 | | | |
| Duplicate a known experiment to confirm the hypothesis. The hypothesis is totally predictable. | Build models (devices) to duplicate existing technology. | Study existing printed material related to the basic issue. | |
| Level 2 (fair) Score Range 15 to 25 | | | |
| 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 material collected through a compilation of existing data and through personal observations. Display attempts to address a specific issue. | |
| Level 3 (good) Score Range 25 to 35 | | | |
| Devise and carry out an original experiment. Identify and control some of the significant variables. Carry out an analysis using graphs or simple statistics. | Design and build innovative technology or provide adaptations to existing technology that will have human benefit and/or economic applications. | Carry out a study based on observations and literary research illustrating various options for dealing with a relevant issue. Include appropriate analysis (arithmetic, statistical, or graphical) of some significant variable(s). | |
| Level 4 (excellent) Score Range 35 to 45 | | | |
| Devise and carry out original experimental research which attempts to control or investigate most significant variables. Include statistical analysis in the treatment of data. | Integrate several technologies, inventions or designs and construct an innovative technological system that will have human and/or commercial benefit. | Correlate information from a variety of significant sources which may suggest real world relationships or original solutions to current problems. Identify significant variable(s) with an in-depth statistical analysis of data. | |

| PART B: ORIGINALITY AND CREATIVITY - 25% | | | |
|---|---|--|--|
| Rank 1 (low) Score Range 5 to 10 | Rank 2 (fair) Score Range 10 to 15 | Rank 3 (good) Score Range 15 to 20 | Rank 4 (excellent) Score Range 20 to 25 |
| Little imagination shown. Project design is simple with minimal student input. A textbook or magazine type project. | Some creativity shown in a project of 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 approach. Creativity shown 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. |
| Mark | | | |

Judge's Junior/Intermediate/Senior Scoring Sheet – Side B

Student Name(s): _____

Project Title: _____

School: _____

PART C: DISPLAY Maximum 20 Points

| 1. Skill (Maximum 10 Marks) | Max | Score |
|--|-----------|-------|
| Necessary scientific skill shown. | 3 | |
| Exhibit well constructed. | 3 | |
| Material prepared independently. | 2 | |
| Judge's discretion. | 2 | |
| | | |
| 2. Dramatic Value (Max 10 Points) | | |
| Layout logical and self-explanatory. | 3 | |
| Exhibit attractive. | 3 | |
| Clear logical enthusiastic presentation. | 3 | |
| Judge's discretion. | 1 | |
| Total Display Score | 20 | |

PART D: PROJECT SUMMARY Maximum 10 Points

| 1. Information | Max | Score |
|---|-----------|-------|
| Is all the required information provided? | 3 | |
| Is the information in the specified format? | 1 | |
| Is the information presented clearly with continuity? | 2 | |
| Does the summary accurately reflect the project? | 2 | |
| | | |
| 2. Presentation | | |
| Neatness, grammar, spelling in the report. | 2 | |
| Total Project Summary Mark | 10 | |

| Total Score | | |
|---|------------|--|
| Part A: Scientific Thought (from page 1). | 45 | |
| Part B: Originality/Creativity (from page 1). | 25 | |
| Part C: Display. | 20 | |
| Part D: Project Summary. | 10 | |
| Total Score Awarded To This Exhibit. | 100 | |

| | |
|-------------------------------------|--------------------------|
| Judge's Comments: | |
| Strengths: | _____ |
| | |
| | |
| Weaknesses: | _____ |
| | |
| | |
| Judge's Name (Please Print!) | Judge's Signature |

Use this form to assist you in ranking the exhibits assigned to you. This mark will not be used in subsequent rounds of judging. This form will not be viewed by the student. **Return this form to your Category Coordinator.**