|  |  |  |  |
| --- | --- | --- | --- |
| **Judging Criteria** | | **Points** | **Total Points Awarded** |
| **Research Question**  **10 pts** | Clear and focused purpose |  |  |
| Identifies contribution to field of study |  |
| Testable using scientific methods |  |
| **Design and Methodology**  **15 pts** | Well-designed plan and data collection methods |  |  |
| Variables and controls define, appropriate and complete |  |
| **Execution:** Data Collection, Analysis and Interpretation  **20 pts** | Systematic data collection and analysis |  |  |
| Reproducibility of results |  |
| Appropriate application of mathematical and statistical methods |  |
| Sufficient data collected to support interpretation and conclusions |  |
| **Creativity**  **20 pts** | Project demonstrates significant creativity in one or more of the above criteria |  |  |
| **Presentation**  **35 pts** | **Poster (10 pts)** |  |  |
| * Logical organization of material |  |
| * Clarity of graphics and legends |  |
| * Supporting documentation displayed |  |
| **Interview (25 pts)** |  |
| * Clear, concise, thoughtful responses to questions |  |
| * Understanding of basic science relevant to project |  |
| * Understanding interpretation and limitations of results and conclusions |  |
| * Degree of independence in conducting project |  |
| * Recognition of potential impact on science, society and/or economics |  |
| * Quality of ideas for further research |  |
|

