

ISEF Judging Criteria for Science Projects

Research Question	<ol style="list-style-type: none"> 1. clear and focused purpose 2. identifies contribution to field of study 3. testable using scientific methods 	10 pts.
Design and Methodology	<ol style="list-style-type: none"> 1. well designed plan and data collection methods 2. variables and controls defined, appropriate and complete 	15 pts.
Execution: Data Collection, Analysis and Interpretation	<ol style="list-style-type: none"> 1. systematic data collection and analysis 2. reproducibility of results 3. appropriate application of mathematical and statistical methods 4. sufficient data collected to support interpretation and conclusions 	20 pts.
Creativity	<ol style="list-style-type: none"> 1. project demonstrates significant creativity in one or more of the above criteria 	20 pts.
Presentation		
•Poster	<ol style="list-style-type: none"> 1. logical organization of material 2. clarity of graphics and legends 3. supporting documentation displayed 	10 pts.
•Interview	<ol style="list-style-type: none"> 1. clear, concise, thoughtful responses to questions 2. understanding of basic science relevant to project 3. understanding interpretation and limitations of results and conclusions 4. degree of independence in conducting project 5. recognition of potential impact in science, society and/or economics 6. quality of ideas for further research 7. for team projects, contributions to and understanding of project by all members 	25 pts.