

JUDGE NAME _____

PROJECT # _____

SCIENCE PROJECTS

Remember to total your scores!

Research Question ___/10

- ___/4 Clear and focused purpose
- ___/2 Identifies contribution to field of study
- ___/4 Testable using scientific methods

Design and Methodology ___/15

- ___/8 Well designed plan and data collection methods
- ___/7 Variables and controls defined, appropriate and complete

Execution: Data Collection, Analysis and Interpretation ___/20

- ___/5 Systematic data collection and analysis
- ___/5 Reproducibility of results
- ___/5 Appropriate application of mathematical and statistical methods
- ___/5 Sufficient data collected to support interpretation and conclusions

Creativity ___/20

- ___/0-5 Project is minimally engaging OR unimaginative, and does not show creativity in one of the above criteria
- ___/6-10 Project is engaging OR imaginative, and shows limited creativity in one of the above criteria
- ___/11-15 Project is engaging AND imaginative, and shows creativity in one of the above criteria
- ___/16-20 Project is very engaging AND exceptionally imaginative, and shows significant creativity in one of the above criteria

Presentation ___/35

Poster

- ___/4 Logical organization of material
- ___/4 Clarity of graphics and legends
- ___/2 Supporting documentation displayed

Interview

- ___/5 Clear, concise, thoughtful responses to questions
- ___/5 Understanding of basic science relevant to project
- ___/5 Understanding interpretation and limitations of results and conclusions
- ___/5 Degree of independence for individuals or teamwork for teams in conducting project
- ___/5 Recognition of potential impact in science, society and/or economics

TOTAL SCORE
/100

ISEF RECOMMEND
Y/N



SOUTHERN
UTAH
SCIENCE
&
ENGINEERING
FAIR

JUDGE NAME _____

PROJECT # _____

ENGINEERING PROJECTS

Remember to total your scores!

Research Problem ___/10

- ___/4 Description of a practical need or problem to be solved
- ___/4 Definition of criteria for proposed solution
- ___/2 Explanation of constraints

Design and Methodology ___/15

- ___/8 Exploration of alternatives to answer need or problem; identification of a solution
- ___/7 Development of a prototype/model

Execution: Construction and Testing ___/20

- ___/5 Prototype demonstrates intended design
- ___/5 Prototype has been tested in multiple conditions
- ___/5 Prototype has been tested in multiple trials
- ___/5 Prototype demonstrates engineering skill and completeness

Creativity ___/20

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**TOTAL SCORE
/100**

**ISEF RECOMMEND
Y/N**