



Science & Engineering Fair of Houston

Place Award Judge's Worksheet

Category: _____

Division: _____

Criteria

I. Research Question

II. Design and Methodology

III. Execution

VI. Creativity

V(a) Presentation: Poster

V(b) Presentation: Interview

Project Number	Abbreviated Title	Score each project relative to total points listed.								Comments
		I.	II.	III.	VI.	V.(a)	V.(b)	Total		
1		10	15	20	20	10	25			
2		10	15	20	20	10	25			
3		10	15	20	20	10	25			
4		10	15	20	20	10	25			
5		10	15	20	20	10	25			
6		10	15	20	20	10	25			
7		10	15	20	20	10	25			
8		10	15	20	20	10	25			
9		10	15	20	20	10	25			
10		10	15	20	20	10	25			

Judge Signature: _____

Judge ID: _____

Science

I. Research Question (10 pts)

- clear and focused purpose
- identifies contribution to field of study
- testable using scientific methods

II. Design and Methodology (15 pts)

- well designed plan and data collection methods
- variables and controls defined, appropriate and complete

III. 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

IV. Creativity (20 pts)

- project demonstrates significant creativity in one or more of the above criteria

V.a. Poster Presentation (10 pts)

- logical organization of material
- clarity of graphics and legends
- supporting documentation displayed

V.b. Presentation (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 in science, society and/or economics
- quality of ideas for further research
- for team projects, contributions to and understanding of project by all members

Engineering

I. Research Question (10 pts)

- description of a practical need or problem to be solved
- definition of criteria for proposed solution
- explanation of constraints

II. Design and Methodology (15 pts)

- exploration of alternatives to answer need or problem
- identification of a solution
- development of a prototype/model

III. Execution - Construction and Testing (20 pts)

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

IV. Creativity

- project demonstrates significant creativity in one or more of the above criteria

V.a. Poster (10 pts)

- logical organization of material
- clarity of graphics and legends
- supporting documentation displayed

V.b. 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 in science, society and/or economics
- quality of ideas for further research
- for team projects, contributions to and understanding of project by all members

Additional Comments	
1	
2	
3	
4	
5	
6	
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