



Science & Engineering
Fair of Houston

SPECIAL AWARDING AGENCY JUDGE SCORESHEET

Category: _____

Division: _____

Criteria	
I. <i>Research Question</i>	IV. <i>Creativity</i>
II. <i>Design and Methodology</i>	V(a). <i>Presentation: Poster</i>
III. <i>Execution</i>	V(b). <i>Presentation: Interview</i>

PROJECT NUMBER	PROJECT TITLE	Score each project relative to total points listed.						
		I.	II.	III.	IV.	V.(a)	V.(b)	TOTAL
1		10	15	20	20	10	25	
Comments:								
2		10	15	20	20	10	25	
Comments:								
3		10	15	20	20	10	25	
Comments:								
4		10	15	20	20	10	25	
Comments:								
5		10	15	20	20	10	25	
Comments:								

Criteria

I. *Research Question* II. *Design and Methodology* III. *Execution* IV. *Creativity* V(a). *Presentation: Poster* V(b). *Presentation: Interview*

PROJECT NUMBER	PROJECT TITLE	Score each project relative to total points listed.						
		I.	II.	III.	IV.	V.(a)	V.(b)	TOTAL
6		/	/	/	/	/	/	/
		10	15	20	20	10	25	
Comments:								
7		/	/	/	/	/	/	/
		10	15	20	20	10	25	
Comments:								
8		/	/	/	/	/	/	/
		10	15	20	20	10	25	
Comments:								
9		/	/	/	/	/	/	/
		10	15	20	20	10	25	
Comments:								
10		/	/	/	/	/	/	/
		10	15	20	20	10	25	
Comments:								

JUDGE SIGNATURE: _____

JUDGING CRITERIA FOR PROJECTS

SCIENCE

I. Research Question (10 points)

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

II. Design and Methodology (15 points)

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

III. Execution: Data Collection, Analysis, and Interpretation (20 points)

- 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 points)

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

V.a. Presentation: Poster (10 points)

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

V.b. Presentation: Interview (25 points)

- 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 points)

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

II. Design and Methodology (15 points)

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

III. Execution: Construction and Testing (20 points)

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

IV. Creativity (20 points)

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

V.a. Presentation: Poster (10 points)

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

V.b. Presentation: Interview (25 points)

- 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