

JUNIOR DIVISION - ENGINEERING

Hoosier Science and Engineering Fair

JUDGES WORKSHEET

PROJECT # _____

USE THIS FOR ENGINEERING PROJECTS

The scales given for each section are a suggestion, but you may use your own ranking system out of 100 points.

I. Research Problem (10 pts)

	5	4	3	2	1	
						description of a practical need or problem to be solved along with explanation of problem constraints
						definition of criteria for proposed solution

II. Design and Methodology (15 pts)

	5	4	3	2	1	
						exploration of alternatives to answer need filled and/or problem solved by project
						identification of a solution
						development of a prototype/model

III. Execution: Construction and Testing (20 pts)

	10	8	6	4	2	
						prototype demonstrates intended design
						prototype has been tested in multiple conditions/trials prototype demonstrates engineering skill and completeness

IV. Creativity (20 pts)

	Please rank on a 1-20 scale		
	project demonstrates significant creativity in: subject studied and/or methodology		

V. Presentation (35 pts)

a. Poster (10 pts)

	5	4	3	2	1	
						logical organization of material
						clarity of graphics and legends

b. Interview (25 pts)

	5	4	3	2	1	<i>For team projects include in your scoring the participation or lack of participation of all team members in the interview.</i>
						clear, concise, thoughtful responses to questions
						understanding of basic science relevant to project
						understanding interpretation and limitations of results and conclusions
						recognition of potential impact in science, society and/or economics
						quality of ideas for further research

	Total Score
--	--------------------

NOTES

Once you have arrived at a total score, please enter the score in the online system. Keep this document for your reference during the caucus session.