

Model or Demonstration Project Evaluation

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Level: E MS HS

Total Score

Required Items:			
Circle 0 or 1 in the columns to the right of the item to indicate whether or not the project complies with requirements. (1 = Yes; 0 = No)			
		NO	YES
1	The journal includes a research section about the scientific principal demonstrated or scientific item represented in the model.	0	1
2	The project is purely a model or demonstration of a scientific principal and does not attempt to experiment with the scientific facts.	0	1
Subtotal for Required Items:			

Items to Evaluate: Circle 0 to 5 to show the degree to which the project shows the characteristic listed. (0 = not at all, 5= to a great degree)								
Pre-Judging: Journal and Research								
1	To what extent has the Research Section given adequate background information about the scientific principal and information about how the principal is seen in nature?	0	1	2	3	4	5	
2	To what degree has the student presented/explained varying opinions or theories regarding the nature of the principle demonstrated or modeled?	0	1	2	3	4	5	
3	Does the journal and its research section indicate the student's attempt to understand the scientific principle and relate it in a way that can be easily understood by others?	0	1	2	3	4	5	
4	How well does the student show resources used and document their use?	0	1	2	3	4	5	
5	How well does the student present observations and results from project?	0	1	2	3	4	5	
6	How effective are the charts, graphs, and tables showing the process and results?	0	1	2	3	4	5	
7	How complete are the records in the student's log of the project's	0	1	2	3	4	5	
8	How clearly described is the contribution of each student on the team or the individual student in the completion of the model?	0	1	2	3	4	5	
Subtotal for Pre-Judging Items:								

Judge's Comments Initial _____

Student Number _____ (Assigned)

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Contest Required Items:			
Circle 0 or 1 in the columns to the right of the item to indicate whether or not the project complies with requirements. (1 = Yes; 0 = No)			
		NO	YES
1	Display board is no larger than 4' x 4'.	0	1
2	Display board is free standing.	0	1
Subtotal for Required Items:			

Contest: Model/Display								
1	To what extent does the project show creativity & originality in the presentation of the principle?	0	1	2	3	4	5	
2	How effective are the materials used to represent or create a model of the scientific principle?	0	1	2	3	4	5	
3	What is the degree of accuracy in the demonstration or modeling of the scientific facts?	0	1	2	3	4	5	
4	How completely is the principle demonstrated and explained in the project display? Are all important stages/phases addressed in an orderly manner?	0	1	2	3	4	5	

Contest: Student Interview								
1	Scientific Thought: How comfortably and thoroughly does the student discuss and explain the science behind the project?	0	1	2	3	4	5	
1	Methodology: How well does the student explain how the project shows the hows and whys of the principle ?	0	1	2	3	4	5	
3	Thoroughness: Does the student/team's discussion of the project indicate a level of quality and indicate thoroughness in time utilized?	0	1	2	3	4	5	
1	Skill: Does the student/team demonstrate laboratory and observational skills where needed in developing the project?	0	1	2	3	4	5	
2	Skill: What is the extent of independent work including acquiring or equipment?	0	1	2	3	4	5	
1	Clarity: How clearly does the student discuss and explain the project? If a team, do both students equally discuss the project?	0	1	2	3	4	5	
Subtotal for Subjective Items:								

Judge's Comments Initial _____

Student Number _____ (Assigned)
