

Project Evaluation Rubric

Please leave this form on the judging table when finished judging.

Proi	ject#:

I. Creative Ability	<u>Minimal</u> 1	Below Average 2	Average 3	Above Average 4	Excellent 5
II. Scientific Thought/Engineering Goals	<u>Minimal</u> 1	Below Average 2	Average 3	Above Average 4	Excellent 5
III. Thoroughness	<u>Minimal</u> 1	Below Average 2	Average 3	Above Average 4	Excellent 5
IV. Skill	<u>Minimal</u> 1	Below Average 2	Average 3	Above Average 4	Excellent 5
V. Clarity	<u>Minimal</u> 1	Below Average 2	Average 3	Above Average 4	Excellent 5

Total Points:	<u>/25</u>
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This project should be considered for the Best in Show Prize (Senior Division Grades 9-12 only): □

Comments

Optional rubric (included to help with judging) is on the back Optional Rubric

I. (I. Creative Ability						
	Minimal/Below Average = 1 or 2 Idea not original Methods not original Does not promote an original & efficient way to solve problems No new conclusions reached		Average = 3 Ideas somewhat original Some original methods used Promotes a somewhat efficient & reliable way to solve a problem Possibly new conclusion reached		Above Average = 4 or 5 Idea is truly original Strong originality in methods used Promotes an efficient & reliable way to solve a problem New conclusions reached		
II.	Scientific Thought/Engineering Goals						
	Minimal/Below Average = 1 or 2 Unclear purpose/objective Hypothesis poorly developed Variables poorly defined Observations not controlled, accurate, measurable Insufficient data Conclusions on limited to data Little record of observations in log book Solution unworkable No evidence of related research including a bibliography		Average = 3 Somewhat clear purpose/objective Hypothesis somewhat well developed Variables somewhat defined Observations loosely controlled, somewhat accurate & measurable Includes adequate amount of data Conclusions somewhat limited to data Adequate record of observations in log book Solution may be workable Adequate evidence of related research including bibliography		Above Average/Excellent = 4 or 5 Clear purpose/objective Hypothesis well developed Variables clearly controlled Observations controlled, accurate & measurable Includes extensive amounts of data Conclusions limited to data Extensive record of observations in log book Solution is workable Evidence of significant research extensive including bibliography		
III. Thoroughness							
	Minimal/Below Average = 1 or 2 Purpose not fully carried out Problems not adequately covered Conclusion based on a single experiment or replication Project notes insufficient Insufficient amount of time spent on project Student unaware of other theories, approaches, and scientific literature related to project		Average = 3 Purpose carried out to a limited degree Problem covered somewhat Conclusions based on adequate number of experiments/replications Project notes limited/somewhat complete Limited amount of time spend on project Student somewhat aware of other theories, approaches, and scientific literature related to project		Above Average/Excellent = 4 or 5 Purpose carried out to completion Problem covered completely Conclusions based on extensive number of experiments/replications Project notes extensive and complete Sufficient amount of time spent on project Student fully aware of other theories, approaches, and scientific literature related to project		
IV.	Skill			<u> </u>	1 3		
	Minimal/Below Average = 1 or 2 Student shows little evidence of necessary skills to obtain data Student received much assistance from parents, teacher and other adults Student demonstrates little understanding of project and related facts		Average = 3 Student shows adequate evidence of necessary skills to obtain data Student received some assistance from parents, teacher and other adults Student demonstrates partial understanding of project and related facts		Above Average = 4 or 5 Student shows extensive evidence of necessary skills to obtain data Student received little or no assistance from parents, teacher and other adults Student demonstrates extensive understanding of project and related facts		
V. Clarity							
	Minimal/Below Average = 1 or 2 Student unable to discuss project Exhibit unappealing and not self- explanatory Data not clearly presented; numerous errors in spelling and labeling Work did not appear to be done by student or haphazardly done		Average = 3 Student somewhat able to discuss project Exhibit somewhat appealing and self- explanatory Adequate presentation of data; mostly correct spelling and labeling Most work done by student		Above Average = 4 or 5 Student able to discuss project with confidence Exhibit appealing and self-explanatory Data clearly presented with correct spelling and labeling Work obviously done by student		