

Franklin Science Fair Championship Competition Engineering Project Judging Scorecard

Student's name:	Superior	Above Average	Average	Below Average	No Evidence
Project title:					
Judge's name:					
Experimental Design Process (24 points possible)					
1. Conception and execution of the project demonstrates originality and insight	6	4.5	3	1.5	0
2. Accessed age-appropriate sources for background research addressing all key scientific concepts of the project	6	4.5	3	1.5	0
3. Demonstrated ability to carry out experimental procedure to an age-appropriate level of precision	6	4.5	3	1.5	0
4. Solved problems that arose with the experimental procedure. If necessary, re-designed the procedure and tried experiment(s) again	6	4.5	3	1.5	0
Data Collection and Conclusions (36 points possible)					
5. Demonstration that the student did the actual work	6	4.5	3	1.5	0
6. Variables and controls clearly defined	6	4.5	3	1.5	0
7. Data are properly analyzed	6	4.5	3	1.5	0
8. Data are interpreted correctly in the conclusion	6	4.5	3	1.5	0
9. Data and results are clearly presented	6	4.5	3	1.5	0
10. Is the solution workable? Is there a real life use for solution?	6	4.5	3	1.5	0
Presentation / Interview (40 points possible)					
11. Student's interview provides a thorough picture of the project (question, background information, hypothesis and variables, materials and procedures, data charts and graphs, results, conclusions)	8	6	4	2	0
12. Student can knowledgeably discuss the project	8	6	4	2	0
13. Student demonstrates an appropriate use of scientific/engineering vocabulary	8	6	4	2	0
14. Student demonstrates an enthusiasm for the project and their work	8	6	4	2	0
15. Bonus points for overall superior project and presentation	8	6	4	2	0
Total Points:					
Comments for student:					