Waukesha Colleges Science and Engineering Fair Judging Form

Proj. # Project Title

Behavioral/Social Sci.	Chem./Biochem.	Engineering
Environmental Science	Math/Computer Sci.	Medicine/Health
Physics/Astronomical	Cellular/Molecular/Micro Biology	

Judge _____

Project ____

Creative / Original	**30 29 28 27 26 25 24 23 22 21** Unique problem-solving methods & data analysis. Ingenious use of materials & equipment. Truly his/her own.	**20 19 18 17 16 15 14 13 12 11** Some advanced problem-solving & data analysis. Modified an existing experiment. Made it his/her own.	**10 9 8 7 6 5 4 3 2 1 0** Basic problem-solving & data analysis. Used an existing experiment.	**Creative / Original Score (0-30 pts.)**
Comments:				
Scientific Thought	**30 29 28 27 26 25 24 23 22 21** Extensive literature review. Problem stated clearly; all variables identified. Well-developed hypothesis. Detailed, accurate observations. Data collection explained. Advanced data analysis employed and explained. Conclusions limited to the data. Possible next steps described	**20 19 18 17 16 15 14 13 12 11** Adequate literature review. Problem stated clearly; critical variables identified. Developed hypothesis. Accurate observations. Appropriate data analysis employed and explained. Conclusions flow from the data.	**10 9 8 7 6 5 4 3 2 1 0** Minimal literature review. Problem vague; some variables identified. Obvious or weak hypothesis. Sketchy observations. Limited data analysis. Conclusion stated but not fully following the data.	**Scientific Thought Score (0-30 pts.)**
Comments:				
Thoroughness	**15 14 13 12 11** Well-organized, detailed logbook with dated entries. Extensive time spent on project. Detailed scientific process completed. Multiple trials for data collection. Advanced awareness of background knowledge.	**10 9 8 7 6** Organized logbook with dated entries. Adequate time spent on project. Complete scientific process. Multiple trials for data collection. Adequate awareness of background knowledge.	**5 4 3 2 1 0** Minimal logbook with sporadic entries. Project appears to be rushed through. Scientific process seems incomplete. Single trial for data collection. Minimally aware of background knowledge.	Thoroughness **Score (0-15 pts.)**
Comments:				
Skill	**15 14 13 12 11** Well thought-out design; attention paid to details. Precise lab techniques. Accurate measurements and computations. Understands complexity of the equipment.	**10 9 8 7 6** Experimental design evident. Reasonable lab techniques. Good measurements and computations. Appropriate use of equipment.	**5 4 3 2 1 0** Limited evidence of planning the experiment. Mostly acceptable lab techniques. Sloppy measurements and/or computations. Lacks understanding of the equipment used.	**Skill Score (0-15 pts.)**
Comments:				
Clarity	**10 9 8** Concise, well-organized project description. Data collection, analysis and conclusions presented clearly using graphs, charts, diagrams, models, and similar aids. Display board presentation is precise; color and format enhances understanding.	**7 6 5 4** Understandable project description. Clear presentation of some portions of the project using basic graphs, charts, diagrams, models, and similar aids.	**3 2 1 0** Basic project information presented. Minimal use of graphic devices to illustrate the concepts or the analysis of the project. Display board presentation seems random and/ or sloppy	**Clarity Score (0-10 pts.)**
Comments:				
				Total (0-100 pts.)