

	<u>Individual</u>	<u>Team</u>
<u>Creative Ability:</u> Total Possible Points – Individual = 30, Team = 25		
• The questions asked are student-initiated and original	(0-6)	(0-5)
• The approach to solving the problem is creative	(0-6)	(0-5)
• Equipment is creatively used or had to be made/modified	(0-6)	(0-5)
• Interpretation of the data shows creative and original thinking by student	(0-6)	(0-5)
• Student has understanding of project implications beyond their research	(0-6)	(0-5)
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<u>Scientific Thought:</u> Total Possible Points – Individual = 30, Team = 25		
• Clear and unambiguous statement of problem	(0-5)	(0-4)
• Clearly defined procedural plan for obtaining a solution	(0-5)	(0-4)
• Variables clearly recognized and defined; proper controls used correctly	(0-5)	(0-4)
• Data adequately supports student's conclusions; limitations recognized	(0-5)	(0-4)
• Student understands project's ties to other research	(0-5)	(0-4)
• Scientific literature cited, not just popular literature (i.e. newspapers, web)	(0-5)	(0-4)
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<u>Thoroughness:</u> Total Possible Points - 10		
• Original question was completely addressed	(0-2)	(0-2)
• Conclusions are based on repeated observations (not single experiments)	(0-2)	(0-2)
• Project notes / lab notebook are complete	(0-2)	(0-2)
• Student is aware of alternate approaches or theories	(0-2)	(0-2)
• Student spent an appropriate amount of time on the project	(0-2)	(0-2)
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<u>Skill:</u> Total Possible Points - 10		
• Important phases of the project presented in an orderly manner	(0-2)	(0-2)
• Data was obtained & analyzed appropriately by student	(0-2)	(0-2)
• Student worked largely independently	(0-2)	(0-2)
• Precision and accuracy of measurements were considered	(0-2)	(0-2)
• Student has required skills & understanding to continue research on own	(0-2)	(0-2)
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<u>Clarity:</u> Total Possible Points - 10		
• A convincing connection was made between data and conclusions	(0-2)	(0-2)
• Written material/poster reflects understanding of research project	(0-2)	(0-2)
• Data and results are presented clearly	(0-2)	(0-2)
• Presentation is forthright	(0-2)	(0-2)
• Student designed and created poster largely independently	(0-2)	(0-2)
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<u>Interview:</u> Total Possible Points - 10		
• A convincing connection was made between data and conclusions	(0-2)	(0-2)
• Written material/poster reflects understanding of research project	(0-2)	(0-2)
• Data and results are presented clearly	(0-2)	(0-2)
• Presentation is forthright	(0-2)	(0-2)
• Student designed and created poster largely independently	(0-2)	(0-2)
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<u>Teamwork (Team Projects only):</u> Total Possible Points - 10		
• Tasks and contributions of each team member clearly outlined?	N/A	(0-3)
• Each team member fully involved and familiar with all aspects of project?	N/A	(0-4)
• Does the project reflect the coordinated efforts of all team members?	N/A	(0-3)
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Maximum Total:	100	100