

Judging Criteria for Science Projects

As an aid to scoring, the judge can circle the points earned by a project in each subcategory on the right hand side. Total score is a sum of circled points.

	<u>Possible Points</u>
<u>Research Question/Problem: (10 pts)</u>	
• Clear and focused purpose	1 2 3 4
• Identifies contribution to field of study	1 2 3
• Testable using scientific methods	1 2 3
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<u>Design and Methodology: (15 pts)</u>	
• Well designed plan and data collection methods	1 2 3
• Well designed data collection methods	1 2 3
• Variables and controls defined	1 2 3
• Variables and controls appropriate	1 2 3
• Variables and controls complete	1 2 3
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<u>Execution: Data Collection, Analysis & Interpretation: (20 pts)</u>	
• Systematic data collection and analysis	1 2 3 4 5
• Reproducibility of results	1 2 3 4 5
• Appropriate application of mathematical and statistical methods	1 2 3 4 5
• Sufficient data collected to support interpretation and conclusions	1 2 3 4 5
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<u>Creativity: (20 pts)</u>	
• The questions asked are student-initiated and original	1 2 3 4 5
• The approach to solving the problem is creative	1 2 3 4 5
• Equipment is creatively used or had to be made/modified	1 2 3 4 5
• Interpretation of the data shows creative and original thinking by student	1 2 3 4 5
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<u>Presentation - Poster: (10 pts)</u>	
• Logical organization of material	1 2 3 4
• Clarity of graphics and legend	1 2 3
• Supporting documentation displayed	1 2 3
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<u>Presentation - Interview: (25 pts)</u>	
• Clear, concise, thoughtful responses to questions	1 2 3 4 5
• Understanding of basic science relevant to project	1 2 3 4 5
• Degree of independence in conducting project (Note: if team project, contributions to and understanding of project by all members)	1 2 3 4 5
• Recognition of potential impact in science and/or society	1 2 3 4 5
• Quality of ideas for further research	1 2 3 4 5
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Total (Possible 100): _____