

Criteria	What to Look for While Judging – Scientific Research Projects	Points
Scientific Thought	<p>Scientific Thought:</p> <ol style="list-style-type: none"> 1. Question or problem was stated clearly and unambiguously 2. The procedure/methods were well thought out and organized 3. Data and results were presented using quantifiable numbers and statistical analysis 4. Lab notebook/logbook is complete with original data, dates, & notes 5. Variables & Controls are clearly recognized and used appropriately 6. The student/team understands their project's tie to related research 	30
Creative Ability	<ol style="list-style-type: none"> 1. The project showed creative ability and originality in: <ul style="list-style-type: none"> • The question asked • The approach to the problem • The interpretation of the data 	25
Thoroughness	<ol style="list-style-type: none"> 1. Adequate data were collected to support the conclusions 2. Conclusions are based upon multiple trials, replications and/or test subjects 3. The student/team is aware of other theories or approaches 4. Conclusions and/or data analysis describe possible errors or flaws 5. Background research is related to the project and summarized by the student 6. References are identified 7. The student/students allowed themselves enough time to perform a thorough investigation 8. TEAMS ONLY: Each member of the team has made a clear, outlined contribution to the project and is familiar with all aspects of the project 	20
Skill	<ol style="list-style-type: none"> 1. The student/team demonstrated that they have the required laboratory, computation, observational and design skills necessary to have completed their project 2. The student/team may have received help and assistance but the completed project reflects their work and understanding 3. The written material reflects the student/team's understanding and research 	15
Clarity	<ol style="list-style-type: none"> 1. The important phases of the project are presented in an orderly manner 2. There are few or no spelling and grammatical errors 3. Data and results are presented clearly 	10

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Total Points Possible