

2015 SAN MATEO COUNTY STEM FAIR PROJECT JUDGING CRITERIA [ENGINEERING, TECHNOLOGY, MATH and SOFTWARE]

Scored Sections	Possible Points
<p>A. Project Display Board</p> <ul style="list-style-type: none"> <input type="checkbox"/> Sections are neatly and clearly labeled. <input type="checkbox"/> Spelling and grammar are correct. <input type="checkbox"/> All sections are completed. <input type="checkbox"/> Follows standard formatting for citations <input type="checkbox"/> Board meets dimension requirements. <input type="checkbox"/> Produced with quality and creativity in mind. <input type="checkbox"/> Diagrams, drawing, photographs and models are appropriate, supportive of the purpose of the project and attractive. 	5
<p>B. Content and Organization</p> <ul style="list-style-type: none"> <input type="checkbox"/> Project has a clear objective that is relevant to the needs of the potential user. <input type="checkbox"/> Product or process has been tested <input type="checkbox"/> Product or process is both workable and feasible economically and ecologically. <input type="checkbox"/> Project exhibits orderly recording and analysis of data. <input type="checkbox"/> Testing procedures are appropriate and organized. <input type="checkbox"/> Conclusions are logical and based on the data collected. 	10
<p>C. Creativity, Originality and Skill Level</p> <ul style="list-style-type: none"> <input type="checkbox"/> The problem is new, different and/or meaningful. <input type="checkbox"/> An original or creative approach was used. <input type="checkbox"/> Safety and technical issues were addressed. <input type="checkbox"/> Scientific literature has been searched. <input type="checkbox"/> The approach and level of difficulty were reasonable for a student of this age. <input type="checkbox"/> The study was carefully designed and appropriate for the student's age. <input type="checkbox"/> The study was clearly the student's work. All help should be noted and credited. <input type="checkbox"/> Student demonstrates knowledge of the topic by providing rationale for data and conclusions and by suggesting future extensions/research. 	15
<p>D. Interview</p> <ul style="list-style-type: none"> <input type="checkbox"/> Student prepared a brief (1-2 minute) presentation. <input type="checkbox"/> Student's answers indicate comprehension of scientific principles and practices. <input type="checkbox"/> Interview leaves no doubt that the student understands the project and that the project was done by the student. <input type="checkbox"/> Student is able to explain every aspect of the project in a clear and concise manner. <input type="checkbox"/> If a group project, each member shows understanding of the work (although different group members might have had different responsibilities within the team). 	10