

Convention Scoresheet: Divisions 2, 4, 6 (Grades 7-12)

Student Researcher(s)	State
Category	Division

Area		Points Possible	Points Earned
Knowledge Gained	Is there evidence the student researcher(s) have acquired scientific skills and/or knowledge by doing this project? Does the student researcher recognize the scope and limitation of the problem he or she has selected?	15	Student #1 7.5
	<i>Each team member can receive the maximum of 7.5 points. If a team member is not in attendance the highest point possible for this category is 7.5</i>		Student #2 7.5
Scientific Research	Has the problem been clearly stated? Have the student researcher(s) used scientific facts as a basis for new conclusions? Are the student researcher(s) aware of the basic scientific principles that lend support to the methods used and conclusions reached? Can the research be the basis for further study? Have the appropriate methods and scientific design principles been applied? Are the student researcher(s) aware of the empirical method (the necessity of repeating trials) and the importance of controlling the variables in order to reach valid conclusions?	30	
Collaboration	Is there evidence of collaboration present? Identify the portions of the project representing the work of others. Others include student researchers, teachers, specialists in the field of study, etc.	5	
Peer to Peer Collaboration	Evidence during interview of collaboration between teammates. <i>If only one team member is present, no points will be awarded in this area.</i>	10	
Thoroughness/ Information	How successfully was the original plan carried through to completion? Were adaptations to the study made? If so, were they made in a way that upholds the integrity of the study? Are known facts and principles stated correctly and used accurately? Have the results of experiments been reported accurately even though faulty experimental methods or conditions may have made the data unreliable? If so, have these errors been noted? Did the student researcher(s) identify areas of weakness in the study?	30	
Results/ Conclusions	Have the student researcher(s) started with known facts and drawn their own conclusions? Are the conclusions consistent with the data and/or observations? Did the student researcher(s) share what was learned as a result of the research? Can student researcher(s) effectively communicate the results and impact of the study?	15	
Visual Display	Has the data been presented in the best manner for the particular type of information involved? Are spelling errors present? Does the exhibit demonstrate a general neatness and attractiveness? Is the display presented in a logical and interesting manner?	15	
TOTAL SCORE (120 Points possible)			
This constitutes 75% of the overall score to determine final ranking.			

**In the event of a tie, winner will be determined based on the score of the written report. If a tie still exists, the tie will be broken on scores received in the following sections in order: knowledge gained, thoroughness/information, results/conclusions.*

***If a team project only has one student present, they cannot rank higher than fourth overall. In the "Knowledge Gained" section, team members can receive up to 7.5 points each. Both team members must be present to receive points for "peer-to-peer collaboration".*