

Twin Cities Regional Science Fairs Research Paper Competition Score Sheet

Judge Number: _____ Judge Name: _____

Research Paper Title: _____

Paper Author: _____

Grade: _____ Category: _____

Guide for grading scale within each division (middle school or high school):

Excellent (90-100) Good (80-89) Fair (60-79) Poor (1-59)

Possible Points	Evaluation Criteria	Points assigned
(5)	Background of Problem or Objective Source of the idea, evidence of literature search, summary of what others have done on the topic	_____
(5)	Statement of Purpose or Identification of Problem Clear objectives clearly stated, recognition of implications or importance of problem	_____
(25)	Research Design, Procedures (Materials & Methods), Results For Science: Appropriateness of research design & procedures, identification and control of variables, reproducibility, reasonable assumptions, innovative technique For Engineering, Computer Science, Technology: Workable solution that is acceptable to a potential user, recognition of economic feasibility of solution, recognition of relationship between design and end product, design	_____
(20)	Data For Science: Validity, accuracy, precision, recognition of sources of error For Engineering, Computer Science, Technology: Tested for performance under conditions of use, reproducibility, results offer an improvement over previous alternatives	_____
(15)	Discussion and Conclusions Clarity is stating conclusion(s), logical conclusion that is relevant to the research problem or design objective and the results of testing or experimentation, recognizes limits and significance of results or design achievement, evidence of student's understanding of the scientific or technological principles, theoretical or practical implications recognized, what was learned?, relate back to hypothesis or design objective	_____
(5)	Further Ideas Predictions, ideas about refining study or design, ideas about Increasing precision/accuracy, new questions or ideas raised	_____
(20)	Written Presentation – Skill in communicating results Clear presentation, correct grammar, good organization, logical developments, includes bibliography (references, works cited), definition of terms as necessary, appropriate use of diagrams or charts	_____
(5)	Acknowledgement of Sources and Major Assistance Received	_____

TOTAL out of 100 possible: _____