The OHIO ACADEMY of SCIENCE
Local, District and State Science Day Judging Card

Copyright © The Ohio Academy of Science 2010. All rights reserved. No edits or other modifications may be made in the judging criteria without the express written permission of The Ohio Academy of Science. Distribution and reproduction for educational purposes is permitted provided this notice is not removed. [The following space may be used for student’s name, space assignment, project title or other administrative information.]

JUDGING CRITERIA

POINTS BULLETS DO NOT HAVE A PRE-DETERMINED NUMERICAL VALUE.

1. KNOWLEDGE ACHIEVED (10 points maximum)
   • Correct use and understanding of terms and principles
   • Project exceeds classroom level for the student's grade level based upon the judge's opinion
   • Adequate depth of knowledge
   • Literature search: extent of scientific, engineering or medical journals /sources or just popular literature citations
   • Supplements answers with additional relevant information

2. USES OF SCIENTIFIC METHOD or TECHNOLOGICAL DESIGN (10 points maximum)
   • Experimental design: specific problem or question, clearly stated hypothesis or technological design statement;
     clear method(s) with correctly defined and measured variables and controls; sufficient understanding of methods
     from related studies in the literature
   • Data handling, data tables, graphs, statistics; sufficient number of trials or samples for the problem
   • Valid conclusion(s) or discussion of results
   • Well-document lab journal/data record book
   • Student effectively used professional equipment or correctly constructed/used home-made apparatus, equipment,
     experimental materials or models

3. CLARITY OF EXPRESSION (10 points maximum)
   • Abstract with clear statement of results
   • Written report: unambiguous title, organization, results, correct grammar and spelling, citations, references
   • Visual display: neatness, conveys essence of the idea, hypothesis or design statement, results and conclusion(s)
   • Oral presentation: understanding or from memory; questions answered correctly and clearly

4. ORIGINALITY & CREATIVITY (10 points maximum)
   • New idea, concept, principle, hypothesis, insight or non-obvious approach or problem definition
   • Novel association or relationship of previous discoveries or knowledge
   • Rigorous and exhaustive analyses of extensive or robust data or results that reveal previously unknown relations
   • Inquiry or design-based rather than a summary of knowledge

TOTAL POINTS

CIRCLE RATING: Superior Excellent Good Satisfactory

Minimum score for INDIVIDUAL projects at Local or District Science Days: SUPERIOR: 36 points, EXCELLENT: 24 points, GOOD: 12 points, *SATISFACTORY: 4 points (*not used at State Science Day).

Minimum score for State Science Day: SUPERIOR: 36 points, EXCELLENT: 24 points, GOOD: 12 points

JUDGE’S Printed Name _____________________________ Signature _____________________________

JUDGES MUST ADD COMMENTS ON BACK: Please add your comments about the project. Students especially look for constructive criticism to improve the project for future science days.