

KAS Research Competition Judges Scoring Form

Student(s):

Project Title:

Poster # / Presentation time:

Institution:

Section:

Judge:

Institution:

I. Creative Ability (30 points maximum) _____

- a. Does the project show creative ability and originality in:
 - i. The question asked?
 - ii. The solution approach?
 - iii. The analysis and interpretation of data?
 - iv. The use of equipment?
- b. Does the research support a larger research program?
- c. Are the methods used efficient and reliable for solving the problem?

II. Scientific Thought (30 points maximum) _____

- a. Is the problem stated clearly and unambiguously?
- b. Was the problem sufficiently limited to allow a plausible attack?
- c. Was there a clear plan for obtaining a solution?
- d. Are the variables clearly recognized and defines?
- e. If controls are necessary, was this recognized and were they appropriately used?
- f. Are there adequate data to support the conclusions?
- g. Does the student recognize limitations of the data?
- h. Does the student understand the project's connection to related research?
- i. Does the student have an idea of future research related to the problem?

III. Thoroughness (15 points maximum) _____

- a. Was the project completed within the scope of the original intent?
- b. How completely was the problem solved?
- c. Were sufficient replications of experiments carried out?
- d. Is the student aware of other approaches or theories?
- e. Is the student familiar with the scientific literature on the project?

IV. Skill (15 points maximum) _____

- a. Does the student have the required laboratory, computational, observational, and design skill to have obtained the supporting data?
- b. Did the student make full use of all facilities that were available to carry out the project?
- c. Did the student design any of the equipment used?

V. Clarity (10 points maximum) _____

- a. How clearly does the student discuss the project and explain the purpose, procedure, and conclusions?
- b. Are the steps of the project presented in an orderly manner?
- c. Are the data, results, and conclusions clearly presented?

VI. Total (100 points maximum) _____

Notes (Return form to Melony Stambaugh if you would like feedback to be given to this student):