

FHSU Science and Engineering Judging Form

Judge Number _____

Student(s) Name(s) _____

Mark one: Individual Team **Student Division:** I II

Category: Zoology Earth And Space Science Botany
 Chemistry Physics and Physical Science
 Biochemistry, Medicine, and Health Mathematics & Computer Science
 Environmental Science Social Science & Behavioral Science
 Consumer Science Engineering & Inventions

Circle one for each question, with 5 being the highest score and 1 being the lowest:

PROBLEM

Does it pose a question that can be investigated or measured? 5 4 3 2 1
Is the problem clearly displayed? 5 4 3 2 1

HYPOTHESIS

Is the hypothesis clearly stated and supported? 5 4 3 2 1
Is the hypothesis displayed? 5 4 3 2 1
Is the hypothesis testable, able to be measured, reproducible? 5 4 3 2 1

PROCEDURES

Is the procedure clear and detailed? 5 4 3 2 1
Was the proper equipment used? 5 4 3 2 1
Was the scientific method used? 5 4 3 2 1
Is variable controlled? 5 4 3 2 1
Can the student do the procedure? 5 4 3 2 1
Did the student do the procedure? 5 4 3 2 1
Is sample size adequate, has experiment been repeated enough? 5 4 3 2 1

RESULTS

Are the results clearly stated? 5 4 3 2 1
Are the results graphed in tables, charts, and/or pictures? 5 4 3 2 1
Are the results tabulated? 5 4 3 2 1
Are the results based on the procedure? 5 4 3 2 1
Are the results statistically analyzed? 5 4 3 2 1

CONCLUSIONS

Are the conclusions clearly stated? 5 4 3 2 1
Are the conclusions displayed? 5 4 3 2 1
Are the conclusions supported by data? 5 4 3 2 1
Are the conclusions consistent with data? 5 4 3 2 1
Are the conclusions consistent with literature? 5 4 3 2 1
Is the conclusion relevant to the hypothesis? 5 4 3 2 1

DISPLAY BOARD

Scientific data is presented in a well-organized, visually appealing display, spelling correct 5 4 3 2 1

REPORT

Text reviewed / References listed / Varied sources 5 4 3 2 1

JOURNAL

Student recorded observations / progression of experiment in journal 5 4 3 2 1

INTERVIEW WITH JUDGE

Ability to answer judge's questions 5 4 3 2 1
Ability to communicate effectively 5 4 3 2 1