

Greater Kansas City Science and Engineering Fair Intermediate & Junior Experimental Scoring Guide

Intermediate & Junior	Full Accomplishment	Substantial Accomplishment	Partial Accomplishment	Little or no Accomplishment
Introduction				
Is the Literature Reviewed ?	Yes , it demonstrates a thorough search.	Yes, but some areas were not addressed.	No, but some sources were used.	No , background material is missing.
Is the problem identified and precisely stated?	Yes , and it is realistic and appropriate limits have been established.	Yes, but the way it is stated may lead to erroneous conclusions.	No, but the reader has some idea of what is being attempted.	No , or it is stated in a way that was confusing to the reader.
Are the variables identified ?	Yes , the Independent, Dependent and Control Variables are all evident and stated clearly.	Yes, but the Independent, Dependent and Control Variables are mostly evident, but not stated clearly.	No , all types of variables are not evident, but some are implied.	No , there are no clear evidences of the study variables.
Is the hypothesis testable and relevant to the problem?	Yes , it is logical, leads to the experiment and makes appropriate predictions.	Yes, but it may contain some illogical ideas or it may not precisely lead to the experiment.	No, but there is enough information that allows the reader to assume a hypothesis.	No , it is missing, or it does not lead to the experiment that follows.
Procedure				
Is the procedure logical, repeatable and appropriate to the hypothesis?	Yes , it is clear and could easily be replicated.	Yes, but there are some elements that may be difficult to replicate.	No, but there is enough information so that the reader has a general idea of what was done.	No , the procedure is missing or very confusing.
Are sample sizes large enough to create confidence?	Yes , sample sizes were large enough to be statistically significant.	Yes, but there could have been more.	No, but there was an attempt to collect enough data.	No , sample sizes were too small.
Is the investigation designed so that it tests the hypothesis ?	Yes , the data directly address the hypothesis.	Yes, but there may be some question as to its reliability.	No, but there is an awareness of the hypothesis.	No , the stated hypothesis wasn't tested.
Results				
Are the data appropriate for the stated hypothesis?	Yes , they are clearly identified and appropriate statistics are included.	Yes, but it is difficult to determine trends, or appropriate statistics are not included.	No, but trends may be suggested, or maybe inappropriate statistics are included.	No , the data are missing or are inappropriate for the hypothesis.
Are the data presented correctly in graphs and/or tables ?	Yes , the data appear in correctly labeled tables and/or graphs.	Yes, but they are either incomplete or unclear in some details.	No, but there was an attempt to include data in a table.	No , the data were not presented in tables or graphs.
Are the results summarized accurately?	Yes , trends are recognized.	Yes, but there are a few areas that are in need of clarification.	No , there may have been statements but some details of the data were ignored or incorrect.	No , there was no summary of the results.
Conclusion/Discussion				
Are appropriate inferences and conclusions stated?	Yes , and it demonstrates an understanding of this research to the broader subject at hand.	Yes, but it may not be completely logical or there may be some bias indicated.	No, but there was an attempt to infer relationships which were partly correct.	No , either it was missing or the data were misunderstood.
Display				
Does the display effectively and concisely relate the method used?	Yes , it is clear and easy to read.	Yes, but there are elements that are unclear.	No, but information is presented.	No , little can be understood from the display.
Does the accompanying paper add to the display?	Yes , the additional information is helpful.	Yes, but there are elements that are unclear.	No, but some additional information is presented.	No , the paper is identical to the display.
Oral Interview (Jr. only)				
Student was unable to attend (Omit questions)				
Was the oral presentation clear?	Yes , the student was able to communicate the research clearly and correctly.	Yes, but there were times when the student was unsure or incorrect.	No, but the student had some knowledge of the area being researched.	No , the student didn't appear to understand the research.
Was the presenter able to handle questions ?	Yes , the student was able to handle all questions.	Yes, but there were times when the student was unsure or incorrect.	No, but the student had some knowledge of the topics being questioned.	No , the student was not able to answer questions over the research.

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Project # _____