

Kennedy Academy - Science Fair Judging Rubric (Experimental)



Student Name		Grade:	
Project Title:		Project #	
Judge's Name		Score	/ 45

Question	Hypothesis	Purpose	Materials	Procedure	Data	Results	Conclusion	Abstract	Score
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Area of Assessment	<u>Advanced Level</u> 4	<u>Proficient Level</u> 3	<u>Competent</u> 2	<u>Developing</u> 1	Score
Purpose	There is a definite purpose benefit for society timely and relevant offer solutions to real problems	The project has a purpose benefit for society	The purpose that benefit is vague.	There is no real world problem solving connection made.	
Testable Question	Sophisticated question can be answered through comprehensive scientific method.	Question can be answered with student's application of scientific method	Partially developed does not address variables	The question is too broad to lend itself to investigation with scientific method. It is better suited for a research report or it is a demonstration.	
Hypothesis	Thoroughly developed with "I think.... because..."	Sufficiently developed	Partially developed.	Major flaws.	
Materials	Complete list that details how others could replicate the results with exact measurements in metric units	Complete list.	Partial list or does not use metric units	Incomplete list unable to replicate project as written.	
Procedure	easy-to-follow sequence of the scientific method language is clear and correct	Easy to follow the sequence of the scientific method. Some language errors.	Somewhat difficult to follow because of lapses of a sequence of scientific method	Difficult to follow the sequence of the scientific method	
Results	Data is clearly presented and directly relates to the hypothesis/ question.	Data is reasonably presented and shows good relationship to hypothesis/question.	Data is minimally presented and shows some relationship to the hypothesis/ question	Data is not presented in/no relationship to hypothesis question is evident.	
Conclusion	A logical conclusion that has been drawn from the data collected, and answers the hypothesis question and or raises a new hypothesis question. Has real world application.	A logical conclusion that's been drawn from the data collected.	A fairly reasonable conclusion has been drawn from the data collected	The conclusion drawn is not shown to relate to the data collected	
Scientific Method 1. Question & Purpose 2. Hypothesis 3. Materials 4. Procedure 5. Results 6. Conclusion	Use a scientific method uses variables in can make use of the comparison data apply information to previous knowledge and can make predictions.	Use the scientific method in a skillful manner control variables.	Adequately addresses scientific method examples a weakness with controlling variable	Minimally addresses the scientific method, may leave out of stuff. Does not control any variables.	
Display Board	Meets all proficiency level criteria. In addition so special use of appropriate technology or special artistic talents	Project is visually appealing labeled organized neat colorful concise easy to see from a distance that contains major information and supporting detail	The project is visually appealing, but lacks consistency in at least one area mentioned at the professional level	Project is complete by lacks inconsistency in several areas mentioned that the proficiency level.	

Should this student represent Kennedy at Notre Dame's Regional Fair? **Definitely** **Yes** **Yes with reservation** **No**
 Judge's Additional Comments:

Kennedy Academy - Science Fair Judging Rubric (Interview)



Student Name		Grade:	
Project Title:		Project #	
Judge's Name		Score	/ 35

Content	<u>Proficient</u> 5	<u>Competent</u> 3	<u>Developing</u> 1	Score
States the purpose	The purpose is clear and captures the listener's attention.	The purpose is apparent.	The purpose is not evident.	
Organizes the content.	The content is organized logically with fluid transitions to capture and hold the listener's attention throughout the entire presentation.	The organization of the content is congruent; transitions are evident.	The content lacks organization; transitions are abrupt and distracting.	
Supports Ideas	Important details add to the interest and depth of the presentation; details work to connect the listener to the speech.	The speaker provides the basic details necessary for the listener to understand the premise of the presentation.	The majority of ideas are unsupported by additional information or explanation.	
Summarizes the main idea(s)	The conclusion unites the important points of the presentation and encourages future discussion.	The conclusion summarizes the main ideas.	The speech ends without a summary.	
Demonstrates awareness of listener's needs.	The choices of language, examples, and aids work together to heighten the listener's interest and connection to the topic.	The speaker's word choices, explanations, and enthusiasm are appropriate for the topic and for each point; appropriate aids are incorporated.	The presentation is uninteresting.	
Speaks clearly with appropriate vocabulary and information.	The vocabulary is descriptive and accurate, engaging the listener through imagery.	The vocabulary provides clarity and avoids confusion.	The vocabulary is awkward or inappropriate for the topic, making the speaker difficult to understand.	
Appears comfortable with audience	Eye contact, interaction with aids, and physical gestures demonstrate the speaker's energy and interest, guiding the listener through the presentation.	Eye contact, interaction with aids, and physical gestures are natural and fluid.	Eye contact with the audience is lacking. Gestures are missing or awkward. The speaker depends heavily on the written speech or notes.	

Should this student represent Kennedy at Notre Dame's Regional Fair? **Definitely** **Yes** **Yes with reservation** **No**
 Judge's Additional Comments: