



Science Fair *Scientific Survey Projects* (7th Grade)

Targets for an Excellent Science Fair Project

	Advanced Proficient 5	“TRANSLATED”
Problem <i>(Double Points)</i> (x2)	States problem as a question, provides evidence that it comes from the student's personal interests or experiences, and represents a genuine learning opportunity for the student. Specifically addresses a valid scientific or mathematical concept, or has a beneficial application to some aspect of society.	Ask a real question where you don't know the answer. Make it practical.
Preliminary Research	Uses five or more reputable sources, cited correctly. Student cites at least four types of sources. Makes a clear connection between each source and the problem in their own words.	Research thoroughly. Connect the research to your question.
Hypothesis	Hypothesis is complete (in one sentence) and is testable, and clearly addresses the stated problem. Student clearly shows a direct connection to their research.	Try to answer the question using your research.
Procedure <i>(Double Points)</i> (x2)	Survey questions are relevant to the hypothesis and unbiased. The student clearly surveys the largest number of people possible and seeks to randomize the respondents. The survey is designed to determine something more than just answers to the individual questions.	Write a series of short questions to discover what people really think about your one big question. Describe how the survey is given to as many people as possible.
Results <i>(Double Points)</i> (x2)	Summarizes data from the survey and visually displays it using at least two well-chosen types of graphs and charts. Highlights trends or patterns relevant to the problem. Notes flaws or unexpected results (if any) and makes reasonable predictions about what might happen if part of the survey or the conditions of the survey were changed.	Describe what you discovered from your survey. Use pictures, graphs, and words to make it really clear. Describe any surprises. * What might change the results?
Conclusions	Conclusion completely answers all aspects of the problem. It also states if the hypothesis was supported or rejected, and explains why.	Use your data to answer your original question. Explain why your hypothesis was right or wrong.
Visual Quality of Display	Project is appealing and neat, and is readable at approximately 2 feet distance. It is well organized and clear, makes striking use of inventive or amusing visuals and/or models, and uses language and spelling flawlessly.	Make your project fun to look at with pictures and colors. Use large, clear lettering. Check grammar and spelling.