Characteristics of Science Projects

Research	Problem
	The science research question was clear, focused and testable using scientific methods
Design, M	ethodology& Data Collection
	Independent variables & dependent variables were described
	Experimental data was compared to a control group
	Constraints/Controls were in place (things that needed to be kept the same for all trials in order to have a fair test)
	Laboratory skills were used correctly
	Sample size &/or number of trials was <u>large enough</u> to support conclusions
	Charts &/or graphs were accurate, clear, detailed, labeled, and included a 1 sentence summary caption
	Appropriate analysis strategies (such as calculations and graphing) were used correctly
Conclusio	n included:
	An answer supported with evidence (data) from your experiment
	A discussion of possible errors that may have occurred and how they may have impacted the data
	New questions for future research
	Connections to the real world
Display	
1 0	Display was complete & organized
_	Logbook was detailed, dated & complete (shows work from initial topic brainstorming through the conclusion)
_	Abstract described the purpose for the research, general procedures, a summary of results and major conclusion(s).
Interview	
	Researcher was able to answer the judges' questions with confidence
	Researcher was able to use scientific vocabulary related to their research project
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	nk to some helpful resources.
https://ww	w.sciencebuddies.org/science-fair-projects/science-fair/steps-of-the-scientific-method

We look forward to seeing you at the fair!