RUBRIC FOR SCIENCE PROJECT

	5 - Stellar	4 – Well Done	3 - Moderate	2 - Limited	1 – I Need Help
Problem and	Problem is new, meaningful, well	Problem is meaningful, and well	Problem is addressed and	Problem is somewhat	Problem is not stated and
Hypothesis	researched. Hypothesis is clearly	researched. Hypothesis is	researched. Hypothesis is stated.	researched. Hypothesis is	research is unclear.
	stated in the "IFTHEN" format.	clearly stated.		unclear.	Hypothesis is not stated.
Background	Research is thorough, specific, has	Research has many specifics and	Research has some specifics and	Research has little specifics and	Research has no specifics and
Research	many examples. All ideas are clearly	some examples. Most ideas are	a couple examples. Few ideas	one example. Two or less	one example. No ideas
	explained. History, biology, and pros	explained. Student mostly	are explained. Student doesn't	ideas are explained. Student	explained. Student doesn't
	and cons are fully addressed.	addresses the history, biology,	address all areas: history,	doesn't address all areas:	address all areas: history,
		and pros and cons.	biology, and pros and cons.	history, biology, pros and cons.	biology, and pros and cons.
Experimental	Procedure is detailed, appropriate and	Procedure is appropriate,	Procedure is appropriate. Steps	Procedure is inadequate. Steps	Procedure is inadequate. A
Design/	thorough. Steps of procedure are	thorough. Steps of procedure	of procedure are mostly listed.	of procedure are mostly listed.	few stages of procedure are
Materials/	listed and sequential, all materials are	are listed and mostly sequential,	Most materials are listed. Safety	Few materials are listed.	listed. No materials are listed.
Procedure**	listed. Safety issues have been	most materials are listed. Safety	issues were not addressed.	Safety issues were not	Safety issues were not
	addressed.	issues may have been addressed		addressed.	addressed.
Variables/	Variables identified, controls are	Variables have been identified,	Variables have somewhat been	Missing one variable or	Missing two or more of the
Controls/	appropriate, in place, and explained.	controls are appropriate and in	identified, controls are	control. Sample size is not	variables or the controls.
Sample size**	Appropriate sample size and	place. Sample size is	somewhat known. Sample size is	considered.	Sample size is not considered.
	explained.	appropriate.	not appropriate.		
Data	Adequate number of trials/sample	Adequate number of trials	Adequate number of trials	Poor number of trials/sample	Poor number trials/sample
Collection**	size. Appropriate use of	/sample size. Some use of photos	/sample size. Fair use of photo	size. Poor use of photos/	size. No use of photos/chart
	photos/charts/graphs to display data.	/charts/graphs to display data.	s/charts/graphs to display data.	charts/graphs to display data.	graphs to display data.
Analysis	Conclusions are supported by the	Conclusions are supported by	Conclusions are not clearly	Conclusions are not supported	Conclusions are not supported
	data. Sources of error have been	the data. Some sources of error	supported by the data. Some	by the data. A few sources of	by the data. No sources of
	considered. Explanation is made for	have been considered.	sources have been considered.	error have been considered.	error have been considered.
	how or why the hypothesis was	Explanation is made for how or	Explanation is attempted for	Explanation is attempted for	Explanation is not attempted
	supported or rejected. Experimental	why the hypothesis was	how or why the hypothesis was	how or why the hypothesis was	for how or why the hypothesis
	meaning is conveyed and reflection of	supported or rejected.	supported or rejected.	supported or rejected.	was supported or rejected.
	what was learned and how it could be	Reflection of what was learned	Reflection of what was learned	Reflection of what was learned	Reflection of what was
	made better is made.	and how it could be made better	and how it could be made better	and how it could be made	learned and how it could be
		is made.	is made.	better is poor.	made better is not made.
Visual Display	Board is neat, attractive, and creative.	Board is neat and attractive.	Board is neat. Spelling and	Board is fair. Spelling and	Board is poor. Spelling and
Poster Board	Spelling and grammar are correct.	Spelling and grammar are	grammar are somewhat correct.	grammar have many mistakes.	grammar have many mistakes.
	Graphs and charts are properly	mostly correct. Graphs and	Graphs and charts are somewhat	Graphs and charts are unclear.	Graphs and charts are
T	labeled.	charts are mostly labeled.	labeled.		missing.
Interview	Students display a high level of	Students display a moderate	Students display a fair level of	Students display a low level of	Students display a poor level
	subject knowledge from research and	level of subject knowledge from	subject knowledge from research	subject knowledge from	of subject knowledge from
	the process of completing the project.	research and the process of	and the process of completing	research and the process of	research and the process of
	Students can extrapolate from the	completing the project. Students	the project. Students speak	completing the project.	completing the project.
Dungontotic	experiment. Students speak clearly. Student speaks loudly and clearly,	speak clearly. Student speaks clearly, using	unclearly. Student speaks clearly, using	Students speak unclearly. Student speaks using moderate	Students speak unclearly. Student does not speak.
Presentation					
	using appropriate grammar and is able to present background	good grammar and is able to present background knowledge	good grammar and is able to present background knowledge	grammar and is able to present background knowledge in a	Grammar is poor and
	knowledge in a succinct manner.	in a clear manner.	in a somewhat clear manner.	somewhat clear manner.	background knowledge is unclear.
Level of	Problem is conceptually	Problem requires extra effort and	Problem requires effort and	Problem requires little effort	Problem requires little effort
Difficulty/	intricate/requires extra effort and	involves a creative approach.	involves a less-than-creative	and involves a less-than-	and does not involve a
•	•	involves a creative approach.	approach.		
Creativity Works Cited	involves a creative approach. Seven references are cited in MLA	Six rafarances are cited and	Five references are cited and	creative approach. Four references are cited and	creative approach. Three or less references are
Works Cited		Six references are cited and			
	format and referenced throughout the	referenced throughout the paper	referenced throughout the paper	referenced throughout the paper	cited and referenced
ata ata T 7	paper and presentation.	and presentation.	and presentation.	and presentation.	throughout the paper

^{**}You may not need to do this if you are not doing an experiment; your teacher can tell you