

**Score Sheets from the 2011 North Carolina Region 4 Science & Engineering Fair February 26, 2011**

<b>Proj. No.</b>	<b>Category (max score)</b>	<b>Score</b>	<b>Comments</b>
1234	Creative Ability (30)	26	Great job
	Scientific Thought (30)	28	a lot of thought
	Thoroughness (10)	8	very thorough
	Skill (10)	9	very skillful
	Clarity (10)	9	extremely clear
	Interview (10)	6	needs to be better prepared
		86	
1101	Creative Ability (30)	20	
	Scientific Thought (30)	15	Results inconsistent with data
	Thoroughness (10)	5	
	Skill (10)	8	
	Clarity (10)	8	
	Interview (10)	7	Was able to completely explain experiment
1102	Creative Ability (30)	15	Original Idea
	Scientific Thought (30)	20	
	Thoroughness (10)	7	
	Skill (10)	8	
	Clarity (10)	5	
	Interview (10)	8	Created idea in store from advertisement
1103	Creative Ability (30)	23	Well done but not original
	Scientific Thought (30)	25	
	Thoroughness (10)	8	
	Skill (10)	8	
	Clarity (10)	10	
	Interview (10)	8	Well spoken confident. Dad assisted
1104	Creative Ability (30)	24	Seems to be mostly directly from the web
	Scientific Thought (30)	30	Plans to continue research in future projects
	Thoroughness (10)	10	Connected science to policy/law. Very good
	Skill (10)	10	
	Clarity (10)	10	
	Interview (10)	10	Well spoken. Extremely well thought out
1105	Creative Ability (30)	18	
	Scientific Thought (30)	18	
	Thoroughness (10)	8	
	Skill (10)	10	
	Clarity (10)	10	
	Interview (10)	10	Friendly connected to past experiment
1106	Creative Ability (30)	30	
	Scientific Thought (30)	30	Wonderful idea to add comments from participants
	Thoroughness (10)	10	
	Skill (10)	10	

	Clarity (10)	5	
	Interview (10)	2	Nervous. Need more practice before state level
1107	Creative Ability (30)	30	
	Scientific Thought (30)	22	
	Thoroughness (10)	6	
	Skill (10)	6	
	Clarity (10)	5	Dark colors in background make text hard to read
	Interview (10)	10	Great personality, Really understood procedures
1108	Creative Ability (30)	11	
	Scientific Thought (30)	25	
	Thoroughness (10)	10	
	Skill (10)	10	
	Clarity (10)	10	
	Interview (10)	6	Was clear explanation. Nervous habits
1109	Creative Ability (30)	6	Is this your project
	Scientific Thought (30)	25	Who made apparatus
	Thoroughness (10)	10	Project was from lesson from teacher
	Skill (10)	10	
	Clarity (10)	10	
	Interview (10)	10	Explained well. Very interested in subject
1110	Creative Ability (30)	30	
	Scientific Thought (30)	30	
	Thoroughness (10)	10	
	Skill (10)	8	What would you do with this project?
	Clarity (10)	0	
	Interview (10)	5	Not Clear
1111	Creative Ability (30)	12	Creative. Clever approach to finding how much energy is in a nut
	Scientific Thought (30)	24	Mass less in the nuts?
	Thoroughness (10)	8	
	Skill (10)	8	
	Clarity (10)	10	
	Interview (10)	10	
1112	Creative Ability (30)	12	
	Scientific Thought (30)	20	Which ball did you use? Try different surfaces instead of grass
	Thoroughness (10)	6	
	Skill (10)	10	
	Clarity (10)	7	Need to be more clear in stating references
	Interview (10)	5	Be a little more detailed in experiment. Loved that she chose a topic she loves
1113	Creative Ability (30)	12	

	Scientific Thought (30)	15	
	Thoroughness (10)	10	State where greywater comes from for experiment?
	Skill (10)	10	
	Clarity (10)	6	
	Interview (10)	10	Answered questions clearly
1114	Creative Ability (30)	24	Idea from web
	Scientific Thought (30)	24	Consider measuring temperature
	Thoroughness (10)	6	Nothing is really being measured. Is bulb on 10mm?
	Skill (10)	10	
	Clarity (10)	10	
	Interview (10)	6	Clear answers
1116	Creative Ability (30)	20	
	Scientific Thought (30)	28	
	Thoroughness (10)	10	
	Skill (10)	9	
	Clarity (10)	5	Try putting info on poster
	Interview (10)	6	Can't use display that is against rules in explanation
1117	Creative Ability (30)	30	Great Idea!
	Scientific Thought (30)	24	Not enough runs
	Thoroughness (10)	10	
	Skill (10)	8	Parents helped
	Clarity (10)	10	
	Interview (10)	7	
1118	Creative Ability (30)	20	Well thought out
	Scientific Thought (30)	28	We would like to see different structures or building materials
	Thoroughness (10)	7	Only had to bridges
	Skill (10)	8	
	Clarity (10)	8	
	Interview (10)	8	Confident in explaining experiment
1119	Creative Ability (30)	22	
	Scientific Thought (30)	23	
	Thoroughness (10)	9	Great use of multiple substances. Would like to see multiple runs
	Skill (10)	9	
	Clarity (10)	6	
	Interview (10)	9	Very personable; able to explain experiment well
1120	Creative Ability (30)	15	
	Scientific Thought (30)	20	
	Thoroughness (10)	10	
	Skill (10)	8	
	Clarity (10)	10	Presented neat

	Interview (10)	10	Spoke clearly. Could speak about data
1121	Creative Ability (30)	22	
	Scientific Thought (30)	24	
	Thoroughness (10)	5	No data; no picture
	Skill (10)	10	
	Clarity (10)	8	
	Interview (10)	6	
1122	Creative Ability (30)	20	It would have been interesting to hear why this was a topic worth studying
	Scientific Thought (30)	25	
	Thoroughness (10)	10	Clear presentation of data
	Skill (10)	7	
	Clarity (10)	7	
	Interview (10)	7	
1123	Creative Ability (30)	21	
	Scientific Thought (30)	21	Would like to see the theory
	Thoroughness (10)	7	
	Skill (10)	7	
	Clarity (10)	8	Data and results are clear
	Interview (10)	8	Had a solid understanding of what he was doing and why
1124	Creative Ability (30)	25	
	Scientific Thought (30)	20	A more complete rationale for the hypothesis was needed
	Thoroughness (10)	10	The procedures are thorough
	Skill (10)	8	
	Clarity (10)	10	Data presentation is clear
	Interview (10)	9	
1125	Creative Ability (30)	25	Project has highlighted real environmental concerns and applications
	Scientific Thought (30)	15	
	Thoroughness (10)	6	
	Skill (10)	7	
	Clarity (10)	6	Too much going on with the presentation, it makes it hard to understand
	Interview (10)	9	Spoke clearly and knowledgably. Bright child
1126	Creative Ability (30)	25	
	Scientific Thought (30)	20	More explanation about the theory behind plant growth would have helped
	Thoroughness (10)	10	
	Skill (10)	10	
	Clarity (10)	10	
	Interview (10)	10	Very knowledgable about project
1127	Creative Ability (30)	21	

	Scientific Thought (30)	21	Recognized a potential problem that limited your results
	Thoroughness (10)	7	
	Skill (10)	7	
	Clarity (10)	7	
	Interview (10)	8	Understood why her project worked in some ways, but not in others.
1129	Creative Ability (30)	26	Shows great understanding of experiment
	Scientific Thought (30)	27	Great experimental procedure
	Thoroughness (10)	5	
	Skill (10)	6	
	Clarity (10)	8	Simple, to the point
	Interview (10)	4	Very quiet and nervous, but great project!
1130	Creative Ability (30)	25	Very creative idea
	Scientific Thought (30)	23	Chart and data would be nice
	Thoroughness (10)	9	
	Skill (10)	5	
	Clarity (10)	7	
	Interview (10)	7	
1131	Creative Ability (30)	20	
	Scientific Thought (30)	28	
	Thoroughness (10)	9	
	Skill (10)	7	
	Clarity (10)	6	
	Interview (10)	6	Don't need to read straight from postere
1132	Creative Ability (30)	21	
	Scientific Thought (30)	16	Control should be used to show how long it takes without it.
	Thoroughness (10)	5	
	Skill (10)	8	
	Clarity (10)	9	Neat and organized
	Interview (10)	9	Good vocabulary
1133	Creative Ability (30)	16	Interesting hypothesis, very creative. Presentation of materials could be better.
	Scientific Thought (30)	10	Original hypothesis does not match the restatement of hypothesis in results
	Thoroughness (10)	5	
	Skill (10)	7	
	Clarity (10)	6	Use a clearerfont for title. Grammer errors
	Interview (10)	10	Speaks clearly. Liked that he pointed out ways to improve experiment. Explained project very well. Very bright.
1134	Creative Ability (30)	19	Excellent abstract, shows understanding and clear vision for experiment
	Scientific Thought (30)	19	Good procedure with control, but needed multiple plants

	Thoroughness (10)	7	Labeling stems was a great addition
	Skill (10)	8	
	Clarity (10)	9	Excellent graph and chart
	Interview (10)	7	
1135	Creative Ability (30)	30	
	Scientific Thought (30)	30	
	Thoroughness (10)	10	
	Skill (10)	6	
	Clarity (10)	9	Awesome layout, Bar graph was a little cluttered.
	Interview (10)	9	
1136	Creative Ability (30)	24	Creative experiment
	Scientific Thought (30)	20	
	Thoroughness (10)	10	
	Skill (10)	8	
	Clarity (10)	10	Board could be neater
	Interview (10)	7	Well presented, Did not know how to explain graphs.
1138	Creative Ability (30)	30	Wonderful idea, make poster more concise
	Scientific Thought (30)	30	Include Mars soil and air consumption in problem. Well analyzed. Would like to have seen more information about baking soda and vinegar.
	Thoroughness (10)	9	Abstract should be to the point, Writing more organized.
	Skill (10)	9	Minimize use of the word "I"
	Clarity (10)	10	Great background information
	Interview (10)	9	Good presentation, needs to speak louder
1139	Creative Ability (30)	15	
	Scientific Thought (30)	25	
	Thoroughness (10)	6	
	Skill (10)	5	
	Clarity (10)	5	Clarify depth of holes and length of time in soil
	Interview (10)	8	Spoke clearly, able to explain the experiment well.
1140	Creative Ability (30)	28	Good idea and approach
	Scientific Thought (30)	28	Shorten the abstract, info should have been in results, conclusion, and procedure.
	Thoroughness (10)	8	
	Skill (10)	8	
	Clarity (10)	8	Graph needed clarification (no labels, units)
	Interview (10)	9	Well spoken
1141	Creative Ability (30)	22	Very well presented
	Scientific Thought (30)	22	Observations are excellent and cohesive

	Thoroughness (10)	7	Very wordy could be cut down, had controls and multiple trials.
	Skill (10)	5	
	Clarity (10)	5	Make graphs more clear, graph axis need labels
	Interview (10)	4	Could not explain graphs and needs to understand data on the poster.
1142	Creative Ability (30)	20	
	Scientific Thought (30)	28	Variable descriptions are excellent and well thought out.
	Thoroughness (10)	8	Excellent lab notebook
	Skill (10)	8	Excellent data, good procedure, nice bibliography, change location of abstract.
	Clarity (10)	7	
	Interview (10)	8	Well spoken, obviously understood experiment.
1143	Creative Ability (30)	30	
	Scientific Thought (30)	29	Bibliography
	Thoroughness (10)	9	Graphs/charts would help
	Skill (10)	10	
	Clarity (10)	10	Try making the font easier on the eyes
	Interview (10)	9	
1144	Creative Ability (30)	20	Good idea but not students
	Scientific Thought (30)	25	Most data is used for external sources
	Thoroughness (10)	8	Duplicate measurements
	Skill (10)	7	
	Clarity (10)	10	
	Interview (10)	7	
1145	Creative Ability (30)	20	Good layout but not very original
	Scientific Thought (30)	26	No literature
	Thoroughness (10)	9	
	Skill (10)	7	
	Clarity (10)	10	
	Interview (10)	7	
1146	Creative Ability (30)	19	Well thought out
	Scientific Thought (30)	27	Good number of trials
	Thoroughness (10)	8	Well organized
	Skill (10)	7	
	Clarity (10)	9	Very nice graph, well labeled, easy to understand
	Interview (10)	9	Made eye contact, stood up and spoke clearly. Very happy to see such a good interview.
1147	Creative Ability (30)	20	
	Scientific Thought (30)	21	Good use of scientific method
	Thoroughness (10)	8	Very thorough procedure, time appropriate

	Skill (10)	6	Adult guided methods obvious
	Clarity (10)	8	
	Interview (10)	9	Understand why things are done
1148	Creative Ability (30)	20	Well thought out
	Scientific Thought (30)	20	Good result section
	Thoroughness (10)	8	How does this apply to field such as engineering?
	Skill (10)	7	
	Clarity (10)	7	
	Interview (10)	8	
1149	Creative Ability (30)	20	Use more pictures, very detailed procedure
	Scientific Thought (30)	10	Use more variables, well labeled graphs
	Thoroughness (10)	5	
	Skill (10)	5	
	Clarity (10)	5	Summarize the information on the poster
	Interview (10)	7	Helped by parents, kinda knew what was going on
1151	Creative Ability (30)	20	
	Scientific Thought (30)	19	Copying straight from wikipedia is not good.
	Thoroughness (10)	10	
	Skill (10)	8	
	Clarity (10)	10	
	Interview (10)	8	
1152	Creative Ability (30)	25	
	Scientific Thought (30)	30	The statement of the problem is clear. Liked that you did multiple trials.
	Thoroughness (10)	10	
	Skill (10)	8	
	Clarity (10)	10	Presentation of information was clear
	Interview (10)	10	Really understood the details of his project. Understood the scientific principles.
1153	Creative Ability (30)	27	Really creative and original
	Scientific Thought (30)	27	
	Thoroughness (10)	8	If you disproved your hypothesis put reasons why it was not that way and alternative methods.
	Skill (10)	10	
	Clarity (10)	8	Data should be presented clearly. Typing it could make it more appealing to the eye. Spelling mistakes.
	Interview (10)	10	
1154	Creative Ability (30)	18	Color would help
	Scientific Thought (30)	25	No literature or background
	Thoroughness (10)	7	Needs duplicate data
	Skill (10)	5	Need data

	Clarity (10)	8	Data would be easier to read as graphs and not stapled.
	Interview (10)	9	Knew experiment well, outgoing
1155	Creative Ability (30)	20	
	Scientific Thought (30)	21	No literature or background
	Thoroughness (10)	9	Would love to see some blend, nice assortment of types
	Skill (10)	8	
	Clarity (10)	10	
	Interview (10)	7	
1156	Creative Ability (30)	25	Very original idea
	Scientific Thought (30)	21	No background of scientific literature
	Thoroughness (10)	7	No notebook and needs repeated experiments.
	Skill (10)	10	
	Clarity (10)	7	Hand drawn graph is confusing, try using a ruler
	Interview (10)	8	
1157	Creative Ability (30)	16	Liked the survey creative
	Scientific Thought (30)	9	Procedure should be clearer
	Thoroughness (10)	8	
	Skill (10)	8	
	Clarity (10)	8	Presentation could have been neater
	Interview (10)	10	
1158	Creative Ability (30)	22	Creative and neatly presented. Like the use of the egg for teeth
	Scientific Thought (30)	20	No works cited
	Thoroughness (10)	5	
	Skill (10)	8	
	Clarity (10)	10	
	Interview (10)	10	
1159	Creative Ability (30)	21	To enhance creativity going beyond the normal uses of paper towels might have been interesting.
	Scientific Thought (30)	22	Clear hypothesis, very nice measure of absorption.
	Thoroughness (10)	7	
	Skill (10)	7	
	Clarity (10)	8	Clear research question and hypothesis
	Interview (10)	8	Presentation of project was very well practiced.
1160	Creative Ability (30)	18	Interesting environmental applications
	Scientific Thought (30)	17	
	Thoroughness (10)	7	More thorough description of the slopes would have been helpful.
	Skill (10)	7	

	Clarity (10)	8	Very clear hypothesis
	Interview (10)	8	Clearly understood the principles behind erosion.
1163	Creative Ability (30)	20	
	Scientific Thought (30)	20	
	Thoroughness (10)	5	Describing how the potato powers the clock would be helpful.
	Skill (10)	8	
	Clarity (10)	10	
	Interview (10)	10	Seemed to enjoy his project
1164	Creative Ability (30)	20	
	Scientific Thought (30)	20	
	Thoroughness (10)	10	Very nice procedure
	Skill (10)	8	
	Clarity (10)	10	Clear hypothesis
	Interview (10)	5	
1165	Creative Ability (30)	19	Creative approach
	Scientific Thought (30)	26	Use balls with same texture to reduce variables, was able to adjust experiment when she encountered problems.
	Thoroughness (10)	9	Many trials led to good data, very nice!
	Skill (10)	8	Organized data nicely but needed units.
	Clarity (10)	7	Clear data in graphs, make poster more cohesive, we would like to see kinetic energy mentioned throughout the poster.
	Interview (10)	7	Understood the experiment, read off the poster.
1167	Creative Ability (30)	20	Use different rocks, good idea for an experiment, liked to see rocks used on the poster.
	Scientific Thought (30)	20	How does this apply to our environment?
	Thoroughness (10)	7	Lab notebook could have been neater, repeat experiments
	Skill (10)	7	Data analysis was lacking. How did you measure erosion?
	Clarity (10)	10	Clarify data
	Interview (10)	7	
1168	Creative Ability (30)	19	Question should be presented more clearly. Liked the concept.
	Scientific Thought (30)	18	Should have a control to compare data to. Could've brought in more research
	Thoroughness (10)	3	More trials, no notebook, observations are important.
	Skill (10)	7	Graph could have been better
	Clarity (10)	9	Poster is neat! Organization good

	Interview (10)	8	Good eye contact, knowledgeable about project, just work on explaining more clearly
1167	Creative Ability (30)	30	
	Scientific Thought (30)	30	
	Thoroughness (10)	9	Scientific experiments are best done in triplicate.
	Skill (10)	10	
	Clarity (10)	10	
	Interview (10)	9	
1170	Creative Ability (30)	16	
	Scientific Thought (30)	20	Purpose not just hypothesis would help try to purpose section
	Thoroughness (10)	6	
	Skill (10)	5	No graph or tables, data would help!
	Clarity (10)	8	Missing data other than pictures. Time vs. height would be good.
	Interview (10)	7	
1171	Creative Ability (30)	20	
	Scientific Thought (30)	20	It would be helpful to go beyond information on cereal box.
	Thoroughness (10)	7	
	Skill (10)	7	
	Clarity (10)	10	Clear research question
	Interview (10)	7	
1172	Creative Ability (30)	22	
	Scientific Thought (30)	22	Problem was stated clear
	Thoroughness (10)	7	
	Skill (10)	7	
	Clarity (10)	7	
	Interview (10)	8	Very thoughtful about project
1175	Creative Ability (30)	30	
	Scientific Thought (30)	27	
	Thoroughness (10)	10	Was a nice complete procedure
	Skill (10)	10	
	Clarity (10)	5	The problem could have been stated more clearly. It would have helped to have a description of the tables.
	Interview (10)	10	Explained project very well.
2201	Creative Ability (30)	14	
	Scientific Thought (30)	11	
	Thoroughness (10)	5	
	Skill (10)	4	
	Clarity (10)	3	
	Interview (10)	5	

2202	Creative Ability (30)	25	
	Scientific Thought (30)	20	
	Thoroughness (10)	8	Execution of test was very good. Increase the number of test subjects.
	Skill (10)	8	
	Clarity (10)	8	Need a title for graphing of the results
	Interview (10)	0	Attire for test subjects should have been consistent (no boots).
2203	Creative Ability (30)	10	
	Scientific Thought (30)	15	
	Thoroughness (10)	3	
	Skill (10)	6	
	Clarity (10)	6	
	Interview (10)	4	
2204	Creative Ability (30)	27	Very good project
	Scientific Thought (30)	23	
	Thoroughness (10)	8	
	Skill (10)	9	
	Clarity (10)	9	
	Interview (10)	8	State hypothesis as a hypothesis not a fact, use unexpected, instead of weird in conclusion. Consistency with units.
2206	Creative Ability (30)	24	
	Scientific Thought (30)	20	Need to increase number of subjects tested, need a control, check variables.
	Thoroughness (10)	5	
	Skill (10)	7	
	Clarity (10)	7	
	Interview (10)	8	
2209	Creative Ability (30)	15	
	Scientific Thought (30)	10	
	Thoroughness (10)	4	
	Skill (10)	3	
	Clarity (10)	3	
	Interview (10)	4	
2210	Creative Ability (30)	20	
	Scientific Thought (30)	20	He chose only carbonated drinks, did not state why.
	Thoroughness (10)	5	The data should have been analyzed to reflect a percentage difference
	Skill (10)	6	
	Clarity (10)	4	The conclusion was not supported by the data. Correlation between results and test variables.
	Interview (10)	9	

2210	Creative Ability (30)	20	
	Scientific Thought (30)	15	
	Thoroughness (10)	4	
	Skill (10)	3	Need a better explanation of the data
	Clarity (10)	3	
	Interview (10)	9	
2301	Creative Ability (30)	22	
	Scientific Thought (30)	22	
	Thoroughness (10)	5	Poster presentation needs improvement
	Skill (10)	5	Do with different flowers, do with different colors.
	Clarity (10)	7	
	Interview (10)	6	
2303	Creative Ability (30)	20	
	Scientific Thought (30)	20	Economically not viable even though the idea is great.
	Thoroughness (10)	5	
	Skill (10)	5	
	Clarity (10)	6	Log table should be maintained with dates.
	Interview (10)	6	
2304	Creative Ability (30)	25	
	Scientific Thought (30)	25	
	Thoroughness (10)	8	Check with elementary school students
	Skill (10)	8	
	Clarity (10)	10	
	Interview (10)	9	
2305	Creative Ability (30)	23	
	Scientific Thought (30)	23	More graphs needed, less photos
	Thoroughness (10)	6	
	Skill (10)	6	
	Clarity (10)	8	More scientific thought
	Interview (10)	7	
2307	Creative Ability (30)	20	
	Scientific Thought (30)	20	Even though the work is good, the lab notebook should be improved according to dates.
	Thoroughness (10)	5	
	Skill (10)	4	
	Clarity (10)	5	
	Interview (10)	5	
2308	Creative Ability (30)	24	
	Scientific Thought (30)	24	Improve hypothesis compare with different age group.
	Thoroughness (10)	7	
	Skill (10)	7	
	Clarity (10)	9	Presentation should be changed

	Interview (10)	8	
2401	Creative Ability (30)	15	Not very original
	Scientific Thought (30)	15	The measurement was simple
	Thoroughness (10)	7	Good organization
	Skill (10)	8	Good
	Clarity (10)	10	Clear
	Interview (10)	8	Very good
2402	Creative Ability (30)	15	Not very original
	Scientific Thought (30)	15	Not a complete analysis
	Thoroughness (10)	8	Good organization
	Skill (10)	7	Good skill
	Clarity (10)	10	Very clear
	Interview (10)	6	Good team work
2403	Creative Ability (30)	12	Similar to demonstration
	Scientific Thought (30)	17	Very well planned
	Thoroughness (10)	8	Very good
	Skill (10)	10	Very well presented
	Clarity (10)	9	Clear
	Interview (10)	8	Very friendly
2404	Creative Ability (30)	20	Creative, very good
	Scientific Thought (30)	18	Better measurements
	Thoroughness (10)	8	Very good
	Skill (10)	10	Very well done
	Clarity (10)	9	Better presentation
	Interview (10)	8	Very good presentation
2407	Creative Ability (30)	23	
	Scientific Thought (30)	22	Clearly state why you are trying to measure calories!
	Thoroughness (10)	8	Any thoughts on variation between trials?
	Skill (10)	8	Include formula on poster
	Clarity (10)	8	Work on making poster more attractive. Use single sheets for materials and procedure. Make data more clear.
	Interview (10)	9	
2408	Creative Ability (30)	25	Good design of equipment
	Scientific Thought (30)	25	Consider usefulness of such data
	Thoroughness (10)	8	
	Skill (10)	8	
	Clarity (10)	8	
	Interview (10)	10	Good interview, Thanks for standing!
2410	Creative Ability (30)	21	
	Scientific Thought (30)	22	
	Thoroughness (10)	6	
	Skill (10)	7	How was volume measured?
	Clarity (10)	10	

	Interview (10)	8	
2501	Creative Ability (30)	18	Good problem
	Scientific Thought (30)	17	
	Thoroughness (10)	6	Were their climate changes relative to time of sampling?
	Skill (10)	7	Nice job
	Clarity (10)	5	
	Interview (10)	10	Had nice understanding of how to do it better in future
2503	Creative Ability (30)	23	One question is whether the expected outcome is too obvious
	Scientific Thought (30)	26	
	Thoroughness (10)	7	Multiple trials would be desirable.
	Skill (10)	8	
	Clarity (10)	8	Nice set of photos and layout of poster.
	Interview (10)	10	
2504	Creative Ability (30)	21	Nice general idea
	Scientific Thought (30)	10	Literature used, but not cited
	Thoroughness (10)	7	Good replicates
	Skill (10)	4	
	Clarity (10)	5	Graphs would be helpful. Averages? Standard deviation
	Interview (10)	10	
2505	Creative Ability (30)	25	Nice idea but needed more research to evolved a better hypothesis.
	Scientific Thought (30)	24	To short a time frame
	Thoroughness (10)	5	Average is good, standard deviation needed, good bibliograph
	Skill (10)	4	
	Clarity (10)	3	Procedure was not clear on what was measured.
	Interview (10)	10	
2506	Creative Ability (30)	22	Interesting question that has application for current pollution issues.
	Scientific Thought (30)	21	
	Thoroughness (10)	5	Were enough types of plants considered?
	Skill (10)	5	Were enough trials done to reach the conclusion.
	Clarity (10)	5	Seems to be straightforward. Simplified text aided conclusions.
	Interview (10)	6	Not clear on what he did.
2507	Creative Ability (30)	26	Interesting hypothesis to examine
	Scientific Thought (30)	26	Might mention that other variables( such as landslope or soil ttype) was similar.

	Thoroughness (10)	8	Good that 2 stands for each that were sampled. Not clear, however, which 5 trees were graphed.
	Skill (10)	10	
	Clarity (10)	9	Clear graph of years/inch of growth. Table of average is good too.
	Interview (10)	10	
2510	Creative Ability (30)	20	You posed an interestin question, but "surface area" confused me
	Scientific Thought (30)	15	Would you have to wait a long time for a real earthquake?
	Thoroughness (10)	8	Enjoyed your homemade Selsmograph
	Skill (10)	5	How solid is this construction
	Clarity (10)	5	I was confused by what you mean't by "surface area"
	Interview (10)	9	
2511	Creative Ability (30)	23	Even if clean sand is control, in future might want to think of other soil types.
	Scientific Thought (30)	21	Another thought is that disturbance of these soils could affect erosion.
	Thoroughness (10)	6	No multiple trials
	Skill (10)	7	
	Clarity (10)	6	Could use larger font for procedures.
	Interview (10)	10	
2512	Creative Ability (30)	25	Interesting comparison for a home project.
	Scientific Thought (30)	23	Is it hydroponic or plain water used as one variable? Not clear.
	Thoroughness (10)	9	Might think about fewer plant types, but multiple trials of the plants you use.
	Skill (10)	8	
	Clarity (10)	6	Isn't clearly explained what hydroponic fluid is. Nice graphs though
	Interview (10)	10	
2513	Creative Ability (30)	20	
	Scientific Thought (30)	18	Seemed rushed
	Thoroughness (10)	6	Need a more clear description of methods and results
	Skill (10)	4	
	Clarity (10)	5	Many misspellings
	Interview (10)	7	
2602	Creative Ability (30)	25	
	Scientific Thought (30)	25	Too much human error in hitting ball
	Thoroughness (10)	7	
	Skill (10)	8	
	Clarity (10)	7	
	Interview (10)	8	

2603	Creative Ability (30)	27	
	Scientific Thought (30)	23	
	Thoroughness (10)	8	Study trend in drop diameter and height. Make a plot
	Skill (10)	9	
	Clarity (10)	9	
	Interview (10)	9	
2604	Creative Ability (30)	29	
	Scientific Thought (30)	28	
	Thoroughness (10)	8	Why are the differences in drop times so great?
	Skill (10)	9	
	Clarity (10)	9	
	Interview (10)	9	
2605	Creative Ability (30)	25	
	Scientific Thought (30)	25	Need more objective method to record or verify bell sound effect.
	Thoroughness (10)	7	
	Skill (10)	8	
	Clarity (10)	7	What is a bell sound? (Scientific explanation)
	Interview (10)	8	
2607	Creative Ability (30)	27	
	Scientific Thought (30)	27	
	Thoroughness (10)	8	
	Skill (10)	9	
	Clarity (10)	9	
	Interview (10)	9	
2608	Creative Ability (30)	15	
	Scientific Thought (30)	15	Not all variables considered (type of wax)
	Thoroughness (10)	8	
	Skill (10)	5	
	Clarity (10)	8	
	Interview (10)	7	
2609	Creative Ability (30)	20	
	Scientific Thought (30)	20	How is hair thickness calculated?
	Thoroughness (10)	7	
	Skill (10)	7	
	Clarity (10)	5	
	Interview (10)	8	
2610	Creative Ability (30)	20	
	Scientific Thought (30)	20	Needs to fully explain why egg floats
	Thoroughness (10)	7	
	Skill (10)	7	
	Clarity (10)	8	
	Interview (10)	8	

2611	Creative Ability (30)	29	
	Scientific Thought (30)	29	
	Thoroughness (10)	9	
	Skill (10)	9	
	Clarity (10)	9	
	Interview (10)	9	
2612	Creative Ability (30)	25	
	Scientific Thought (30)	25	Look at more objective way of measuring angle of attack
	Thoroughness (10)	8	Study weight differenced in arrows
	Skill (10)	9	
	Clarity (10)	9	
	Interview (10)	9	
2613	Creative Ability (30)	20	
	Scientific Thought (30)	20	
	Thoroughness (10)	2	Gave up to early. Should have modified experiment.
	Skill (10)	5	
	Clarity (10)	8	
	Interview (10)	8	
2701	Creative Ability (30)	10	Not creative/ standard classroom project
	Scientific Thought (30)	10	Not very scientific
	Thoroughness (10)	3	
	Skill (10)	3	Low
	Clarity (10)	3	Ok, notebook is neat and thorough
	Interview (10)	2	
2703	Creative Ability (30)	12	Very well thoughtout, however more data will help to get better results.
	Scientific Thought (30)	12	The hypothesis is good, but scientific times should be clearly explained. Not conclusive
	Thoroughness (10)	4	Data of different reasons is missing. No quantitative.
	Skill (10)	5	Ok instrument/methodology weak
	Clarity (10)	4	Very good project however explanation of the project should be improved.
	Interview (10)	6	
2704	Creative Ability (30)	25	Nice project, very creative
	Scientific Thought (30)	26	Good principle, but project requires more sophistication. Good density measurements
	Thoroughness (10)	8	
	Skill (10)	7	
	Clarity (10)	8	
	Interview (10)	9	
2705	Creative Ability (30)	22	This is an advance Eng. Project

	Scientific Thought (30)	27	Very well planned and executed project.
	Thoroughness (10)	10	Very good job
	Skill (10)	8	Very good
	Clarity (10)	9	Procedure should have explained better. Data could be condensed a bit.
	Interview (10)	9	Very good presentation
2706	Creative Ability (30)	18	
	Scientific Thought (30)	18	Weight of fins not constant
	Thoroughness (10)	6	Good
	Skill (10)	5	
	Clarity (10)	5	
	Interview (10)	6	Good
2707	Creative Ability (30)	12	
	Scientific Thought (30)	12	Is the brand of gasoline considered a variable?
	Thoroughness (10)	4	No references (but some included) Ford Explorer- % difference within error
	Skill (10)	3	
	Clarity (10)	4	Graphs of data would be useful, MPG calculations not shown.
	Interview (10)	6	
2708	Creative Ability (30)	18	
	Scientific Thought (30)	19	Success by distance traveled is nice
	Thoroughness (10)	7	Good background research. Repeating each design may help.
	Skill (10)	5	
	Clarity (10)	5	
	Interview (10)	6	
2709	Creative Ability (30)	19	Mom/Dad idea. The approach is simple/creative.
	Scientific Thought (30)	20	Generalizations are strong, but perhaps overreaching. No description of solar option at all.
	Thoroughness (10)	6	Solid, I like generalizations using specific heat. Good repetition. How was solar used?
	Skill (10)	6	Solid, Good understanding of colorimetry applied!
	Clarity (10)	6	Solid very good. Simple but data not organized as well as could be.
	Interview (10)	6	Generalize and be more clear
3501	Creative Ability (30)	25	Liked the idea
	Scientific Thought (30)	23	Is the extent/intensity of the burn an issue
	Thoroughness (10)	5	Could we see a photo of the method?
	Skill (10)	8	Would have liked to see more of the methods
	Clarity (10)	5	Catchy title, but is misleading.
	Interview (10)	10	

3401	Creative Ability (30)	30	Very good project especially if idea originated with student and not faculty @ Duke
	Scientific Thought (30)	29	Very well though out
	Thoroughness (10)	9	Nothing to add, well done
	Skill (10)	10	Report is well written
	Clarity (10)	10	Clearlest written report I've ever seen
	Interview (10)	10	Outstanding interview, has the detail and big picture down pat.
3402	Creative Ability (30)	30	Very good project if students idea and not a faculty member.
	Scientific Thought (30)	30	Nice project with a logical process and much room for expansion.
	Thoroughness (10)	9	Could have used more room in the report to detail where this approach has been successful.
	Skill (10)	10	
	Clarity (10)	10	Very well written report with clear outcome
	Interview (10)	10	Very nice presentation
3403	Creative Ability (30)	30	Good idea if students and not faculty members
	Scientific Thought (30)	29	Nice work but I'm left wondering "what is the point?" No big picture question was addressed.
	Thoroughness (10)	8	Units on all numbers!!
	Skill (10)	10	
	Clarity (10)	10	Report was a bit confusing. The reason (big picture) was never laid out.
	Interview (10)	1	Very good interviews; knows his stuff
3404	Creative Ability (30)	25	Not really sure where the idea originated, the student or faculty member.
	Scientific Thought (30)	25	Very good
	Thoroughness (10)	8	Very thorough report and analysis, but still not sure why...
	Skill (10)	7	Very good
	Clarity (10)	8	Big picture did not become clear until after the interview.
	Interview (10)	7	Very nice interview, got the big picture, but details seemed fuzzy
3405	Creative Ability (30)	23	Interesting project, but could use more creativity than from a website. Student understood significance of results.
	Scientific Thought (30)	23	Problem clearly stated. Controls were used correctly. Data supported conclusion. Should use better measurement.

	Thoroughness (10)	8	Answer to problem addressed. The project seemed to have been completed in appropriate amount of time. Should do reproducible trials.
	Skill (10)	8	Very independent work, but used a kit ordered from the web.
	Clarity (10)	9	Project well organized, data well explored. Should use more metric measurements.
	Interview (10)	9	Very confident, answered questions okay. Very knowledgeable about the subject.
3406	Creative Ability (30)	23	Interesting problem, but student didn't know what implications of research, didn't explain why the flame increased.
	Scientific Thought (30)	15	Controls were not defined, nor was data quantified
	Thoroughness (10)	7	Not very thorough as only one trial was done for each fruit solution.
	Skill (10)	7	Independently done, but little measurement was obtained
	Clarity (10)	8	Showed independent work
	Interview (10)	6	Don't read the board, answered questions okay
3407	Creative Ability (30)	25	It was a creative and original problem, but the data collected was vague and qualitative.
	Scientific Thought (30)	15	Is it erosion or corrosion? Student didn't understand the difference. He was measuring corrosion rate!
	Thoroughness (10)	8	Original question was addressed, and student seemed to spend an adequate amount of time.
	Skill (10)	6	Independent research, but no reproducibility of results presented, nor were errors considered.
	Clarity (10)	8	Data and conclusions were linked in salt solutions. Corrosion happens faster.
	Interview (10)	8	Relax, answers okay but need to do a bit more research on what the terms mean.
3408	Creative Ability (30)	15	Not particularly creative problem. No quantification.
	Scientific Thought (30)	15	Research problem clearly defined. Variables and control defined.
	Thoroughness (10)	4	No concept of measurement of detergent amounts, aside from cap size. Only qualitative.
	Skill (10)	3	No use of precision and accuracy only qualitative comparisons
	Clarity (10)	7	Data was presented clearly

	Interview (10)	8	Very good interview for team all personable but need more facts.
3701	Creative Ability (30)	15	Not very original
	Scientific Thought (30)	15	Not conclusive, more trials needed, variables not all included.
	Thoroughness (10)	4	Procedure/instrumentation not explained, no sources, no notebook
	Skill (10)	3	Low
	Clarity (10)	4	Ok, but needs work
	Interview (10)	6	Weak
3702	Creative Ability (30)	30	Great idea,
	Scientific Thought (30)	30	Choose only one hypothesis that is measurable, hypothesis should be explored more.
	Thoroughness (10)	10	No data, no notebook
	Skill (10)	10	Discussion has information, but cannot be viewed or evaluated
	Clarity (10)	10	Hypothesis and conclusions "hypothesis" don't match.
	Interview (10)	10	Outstanding