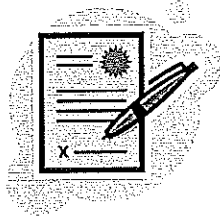


Science Fair Student Checklist – Keep in Log Notebook

Student Name: _____

Working Plan	Due Date	Parent Initials	Teacher Initials	Total Points
1. <u>Science Fair Packet</u> <ul style="list-style-type: none"> • Share packet with parents • Set up Lab Notebook 				
2. Return <u>Contract</u> and <u>Proposal Form</u> completed and signed				_____/5
3. <u>Title</u> 4. <u>Problem Statement</u>				_____/5
5. <u>Hypothesis</u>				_____/10
6. <u>Materials</u>				_____/10
7. <u>Procedures</u>				_____/10
8. Identify Variables <ul style="list-style-type: none"> • <u>Test Variable</u> • <u>Outcome Variable</u> • <u>Constant Variables</u> 				_____/10
9. Perform experiment and collect <u>Data</u> <ul style="list-style-type: none"> • Take Pictures • Create Table and Graph 				_____/15
10. <u>Results</u> 11. <u>Conclusions</u> 12. <u>Applications</u>				_____/15
13. <u>Abstract</u> 14. <u>Bibliography</u>				_____/10
15. <u>Completed Science Fair Board Due!</u> Science Fair Board will receive a separate grade.				
Total Points				_____/100

Science Fair School Contract



I, _____, will submit an entry for the Elementary Science Fair due _____. I understand that this requirement must be fulfilled based on the criteria outlined in this guide.

I further understand that failure to comply with the rules set forth in this guide will affect my final project grade.

Date _____ Classroom Teacher _____

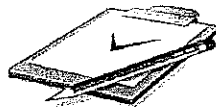
Student's Name _____

Student's Signature _____

Parent's Name _____

Parent's Signature _____

Science Project Proposal Form



Name _____

Problem Statement (The question I plan to investigate in my experiment.)

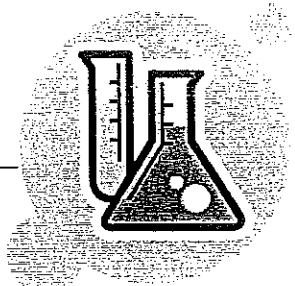
Science Fair Project Question Checklist	
1. Is the topic interesting enough to read about and work on for the next few weeks?	Yes / No
2. Can you find at least 3 sources of written information on the subject?	Yes / No
3. Can you design a "fair test" to answer your question (problem statement)? In other words can you change only one variable (test/manipulated/independent) at a time, and control other factors that might influence your experiment, so that they do not interfere?	Yes / No
4. Can you measure the outcome/dependent/responding variable, which are the changes in response to the independent/responding variable using a number that represents a quantity such as a count, length, width, weight, percentage, time, etc.?	Yes / No
5. Did you read the science fair rules and guidelines? Is your experiment safe to perform?	Yes / No
6. Will you be able to obtain all the materials and equipment you need for your science fair project quickly and at a very low cost?	Yes / No
7. Do you have enough time to do your experiment and repeat it at least 2 more times before the school science fair?	Yes / No

I have discussed the project problem statement and the checklist with my parent(s) and I am willing to commit to following through on this project.

Student Signature **Date**

I have discussed the project idea and the checklist with my child and I believe he or she can follow through with this project.

Parent Name & Signature **Date**



Name _____

Date _____

My Science Experiment!

(Every section MUST follow the Science Fair Handbook Guidelines)

TITLE _____

PROBLEM STATEMENT (In question form) _____

HYPOTHESIS (If... then...) _____

MATERIALS

(Metric System-
Amount and/or
Quantity)

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____

- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____

PROCEDURES (Every step must begin with a verb)

- 1. _____
- 2. _____
- 3. _____
- 4. _____
- 5. _____
- 6. _____
- 7. _____
- 8. _____
- 9. _____
- 10. _____

TEST VARIABLE (What you are testing) _____

OUTCOME VARIABLE (What changes as a result of the Test Variable) _____

CONSTANT VARIABLES (What stays the same in the experiment) _____

DATA

(Attach Graphs/Charts/Pictures)

RESULTS (Data explained in word form) _____

CONCLUSIONS (Claim- Evidence- Reasoning) _____

APPLICATIONS (Respond to questions in Science Fair Handbook) _____

ABSTRACT (Summary of the whole experiment in approximately 250 words) _____

BIBLIOGRAPHY (List at least 3 resources. Internet, Books, Interviews, etc.) _____
