

## 2013-2014 STEM Fair @ Root – Project Review Form

Project # \_\_\_\_\_ Reviewer \_\_\_\_\_

Please mark whether each item is absent, present (in any form), or “above and beyond.” The comments boxes can be used for your personal notes. There is a place at the end of this form for you to give feedback to the student(s).

Poster Content	Absent	Present	Great	Comments
1. Gave a <b>title</b> for the project.				
2. Listed <b>authors</b> for the project.				
3. Asked a research <b>question</b> .				
4. Gave <b>background</b> to understand the question.				
5. Stated a testable <b>hypothesis</b> .				
6. Listed <b>materials</b> used in the study.				
7. Described <b>methods</b> so that you could repeat them.				
8. Listed <b>variables</b> :				
- Controlled				
- independent				
- dependent				
9. Presented clearly labeled <b>data</b> (e.g., graph, table, pictures)				
10. Summarized results in a <b>conclusions</b> section. Compared results to the hypothesis.				
11. Described the next step or ways to improve the experiment in a <b>future directions</b> section.				
12. Listed <b>references</b> in a way that you could find them again.				
13. <b>Acknowledged</b> people who helped, and how they helped.				
14. BONUS: Applied results to a real world situation/problem.				

Journal Content	Absent	Present	Great	Comments
1. Table of contents, pages are numbered				
2. Brainstormed possible topics				
3. Notes about background information				
4. References noted				
5. Hypothesis				
6. Step-by-step plan				
7. List of materials needed				
8. Variables (controlled, independent, dependent)				
9. Specific observations (words, pictures, and/or graphs)				
10. Multiple observations (more than 1 trial or date)				
11. Analysis of results – looking for patterns, explaining results				
12. Summary of results				
13. Compared results to hypothesis				
14. Thoughts about improvements or next steps for the experiment.				
15. Thoughts about why people should be interested in the experiment, or how the results apply to the real world.				

Planning BONUS: Final poster title matched planned title.	No	Yes
Checklist BONUS: Turned in a completed self checklist.	No	Yes

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Project #	
Title from Confirmation Form	
Student Name(s)	
Teacher(s) – Grade(s)	

<b>Oral Presentation</b> (includes responses to your questions)	Absent	Present	Great	Comments
1. Student explained the project.				
2. Student answered questions about the project.				
3. Student explained why he/she chose this project.				
4. Student understands the project.				

<b>Visual Presentation*</b> (includes poster and display)	Absent	Present	Great	Comments
1. Well-organized poster, good layout.				
2. Neatly prepared poster. (hand-written is okay if it is neat)				
3. Carefully edited visual display. (e.g., grammar, punctuation, capitalization, spelling)				
4. Visual aids (hand-drawn pictures, photographs, parts of the experiment on display)				

\*NOTE: Student should not be penalized for low-technology solutions. This category describes the care she took in preparing her visual display.

<b>Scientific Merit*</b> (supported by display, journal, OR presentation)	Absent	Present	Great	Comments
1. Had controlled variable(s) that stayed constant across conditions.				
2. Manipulated one independent variable.				
3. Observed relevant changes (dependent variables).				
4. Did the experiment more than once OR used more than one participant.				

\*NOTE: Project must be an experiment—a variable is changed and at least 2 conditions compared.

<b>Scientific Creativity</b>	Absent	Present	Great	Comments
1. Project displayed or presented in unique way.				
2. Project was interesting or innovative.				

**★If this project was “BEST OF” the projects you reviewed, please put a star next to the qualifying category.**

#### **COMMENTS FOR THE REVIEW COMMITTEE:**

#### **FEEDBACK TO THE STUDENT(S):**

I really like the way you...

When you plan your next STEM project, think about...