## Joseph Henry Science Fair Judge's Scoring Sheet: <u>TEAM</u>

1. SCIENTIFIC METHOD (up to 10 points)  √ Was the scientific method used to answer the question? (up to 10 points)  √ Was this a "see what will happen if I…" experiment? (up to 5 points)  √ No planning ahead or use of the scientific method? (0-3 points)	
<ul> <li>2. HYPOTHESIS (up to 10 points)</li> <li>√ Is the hypothesis clearly stated and testable? (up to 10 points)</li> <li>√ Is the hypothesis unclear, or is it not well understood by the student? Or is it untestable? (3-7 points)</li> <li>√ Is there no hypothesis, or has it not been stated? (0-3 points)</li> </ul>	
<ul> <li>3. <u>DATABOOK</u> (up to 10 points)</li> <li>√ Is the team's notebook available; was it used to gather the data, is it dated, are there notes about the project? (7-10 points).</li> <li>√ Is the notebook available, but rather sketchy, Do you suspect that it wasn't really a part of developing the project? Was everything done very shortly before the Science Fair? (4-7 points)</li> <li>√ Is there no notebook? (0-3 points)</li> </ul>	
<ul> <li>4. DATA PRESENTATION (up to 10 points)</li> <li>√ Are the data tables and graphs appropriate for the project? Were the correct units of measurement used? Was the metric system used? (up to 10 points)</li> <li>√ Is the data presented neatly but not in a table? Is there an attempt at displaying the data in a visual form? (4-7 points)</li> <li>√ No data tables or graphs. (0-3 points)</li> </ul>	
<ul> <li>MEASUREMENTS (up to 10 points)</li> <li>√ Have appropriate measurements been made? Temperature, mass, counting, length, size, volume etc. Is there an appropriate number of measurements (duplicates, triplicates)?         <ul> <li>(6-10 points)</li> <li>√ Are there measurements that might have been more appropriate, or done better, or recorded better? Are more measurements needed? (4-7 points).</li> <li>√ Are there no measurements, or are they clearly inappropriate? (0-3points).</li> </ul> </li> </ul>	
Total side 1	

<b>6.</b> MATERIALS (up to 10 points)	
Did the students use materials appropriate to the hypothesis (up to 10	
points)	
√ Were there more appropriate materials that could have been used and were probably available (4-8 points)	
<ul> <li>✓ Did the students use inappropriate materials or use materials incorrectly?</li> <li>(0-4 points)</li> </ul>	
(use of vertebrate animals is prohibited: use of surveys is not prohibited)	
7. DISPLAY, SCIENTIFIC (up to 10 points)	
√ Does the student's display contain: Title? Hypothesis? Introduction? Results? Conclusions? Materials and Methods? Future Questions?	
8. DISPLAY, AESTHETIC (up to 10 points)	
√ Is the display neat and attractive? Is there a 3D aspect? Is it easy to understand?	
(school name should not appear anywhere on the poster)	
9. DISCUSSION AND QUESTIONS (up to 10 points)	
<ul> <li>✓ DO ALL STUDENTS understand the project? Can EACH student explain WHAT was done, HOW it was done, and WHY it was done?</li> </ul>	
√ Can the students explain what went wrong and what modifications had to	
be made?	
10. FUTURE DIRECTIONS (up to 10 points)	
√ Can the students identify at least one new question that could be	
addressed in "future research"? Can the student identify the possible	
applications of their project?	
Total side 2	



Overall Total: (out of 100)