

POSTER #



JUDGE #

# Main Rubric

## 2015 Westlake Science Fair Grading Rubric

*Please circle a whole number only for each category.*

| Guidelines   | Score (1 = lowest)  |
|--|---|
| <b>I. Introduction &amp; Background Information from <u>RELATED</u> Research</b> <ul style="list-style-type: none"> <li>Clearly explains area of research</li> <li>States why the research is important</li> <li>Uses and explains key scientific terms</li> <li>Fully cites and discusses at least 3 previous scientific studies</li> </ul>   | 1   2   3   4   5   6   7   8   9   10   11   12   13   14   15 |
| <b>II. Problem Statement ("Gap") / Goals / Hypothesis from <u>STUDENT'S INTENDED</u> Research</b> <ul style="list-style-type: none"> <li>Clearly explains current lack of knowledge ("Gap")</li> <li>Thoroughly discusses connection between past research and intended research ("Funnel Effect")</li> <li>Clearly states goals of intended research</li> <li>Clearly states and justifies hypothesis</li> </ul>  | 1   2   3   4   5   6   7   8   9   10                          |
| <b>III. Methodology / Materials from <u>STUDENT'S INTENDED</u> Research</b> <ul style="list-style-type: none"> <li>Suggests logical intended methodology based on previous related research</li> <li>Explains how key steps in intended methodology would address the goal</li> <li><i>If controls and variables are necessary</i>, clearly explains both</li> <li><i>If a survey will be used</i>, the questions adequately address the goal</li> </ul> | 1   2   3   4   5   6   7   8   9   10                          |

----- Rubric continues on back -----

|   |                                  |
|---|----------------------------------|
| <b>IV. Results / Analysis / Discussion / Conclusion from <u>RELATED</u> Research</b> <ul style="list-style-type: none"> <li>▪ Clearly shows related research results and/or data in tables, charts or graphs</li> <li>▪ Displays proper titles, labels, units, and captions</li> <li>▪ Includes citations for all information</li> <li>▪ Student clearly and adequately explains the related results</li> </ul> | <div>12345678910</div>           |
| <b>V. Significance / Application / Future Focus of <u>RELATED &amp; STUDENT'S INTENDED</u> Research</b> <ul style="list-style-type: none"> <li>▪ Explains potential impact of findings from related and intended research</li> <li>▪ Demonstrates a clear direction for further research</li> </ul>   | <div>12345678910</div>           |
| <b>VI. Student Understanding/Questions &amp; Answers</b> <ul style="list-style-type: none"> <li>▪ Fully answers questions, further demonstrating understanding</li> <li>▪ Speaks well and clearly explains all aspects of project while answering questions</li> </ul>  | <div>123456789101112131415</div> |
| <b>VII. Verbal Presentation</b> <ul style="list-style-type: none"> <li>▪ Presents material in a clear, organized manner</li> <li>▪ Demonstrates enthusiasm</li> <li>▪ Maintains good eye contact and posture</li> <li>▪ Rarely says: “um,” “ah,” “like,” etc.</li> <li>▪ Shows definite/deep understanding of material</li> </ul>   | <div>123456789101112131415</div> |
| <b>VIII. Physical Poster Presentation</b> <ul style="list-style-type: none"> <li>▪ Text is clearly visible with readable formatting</li> <li>▪ Information is “bulleted” without excessive amounts of text</li> <li>▪ All words are spelled correctly</li> <li>▪ Neat, organized, appealing visual presentation</li> </ul>  | <div>123456789101112131415</div> |