

Westlake Elementary School Science Fair Judging Rubric Sheet

Judge #	Project #	Grade Level	Project Name
---------	-----------	-------------	--------------

Exceeds	Proficient	Some Evidence	No Evidence	<input type="checkbox"/> CHECK HERE IF RECOMMENDING THIS PROJECT FOR COUNTY
INVESTIGATION				
Asking Questions and Defining Problems				
3	2	1	0	Sci: Is there a <u>question</u> that can be answered through scientific investigation? Eng: Is the <u>problem</u> one with an engineering solution?
3	2	1	0	Sci: Conduct an investigation that produces data, <u>uses variables</u> , and has multiple trials. Eng: The design of the solution <u>matches the problem</u> (materials, benchmarks for success, constraints, measurable outcomes).
Planning and Carrying out Investigations				
3	2	1	0	Sci: Includes a <u>hypothesis</u> that makes a prediction. The experiment tests that hypothesis. Eng: Compare at least 2 different <u>models</u> to determine which best meets stated criteria.
Using Math				
3	2	1	0	Sci & Eng: Uses math to create <u>charts, graphs, or tables</u> that describe data and reveal patterns.
SENSEMAKING / ANALYSIS				
Analyzing and Interpreting Data				
3	2	1	0	Sci & Eng: <u>Uses evidence</u> (measurements, data, or observations) to justify conclusions or design a solution.
Constructing Explanations & Designing Solutions				
3	2	1	0	Sci & Eng: <u>Applies scientific understanding</u> to answer the project question or solve the project problem.
STUDENT PRESENTATION				
Clarity of Display				
3	2	1	0	Sci & Eng: All lettering, signs and diagrams are <u>neat, accurate, and well organized</u> . The project question is clear.
Presentation				
3	2	1	0	Sci & Eng: <u>Communicates clearly</u> and effectively about the project (question, hypothesis, experimental design).
3	2	1	0	Sci & Eng: Clearly <u>supports an argument</u> with evidence and data (conclusions, results).
3	2	1	0	Sci & Eng: Clearly <u>explains next steps</u> , improvements and how the project benefits others.

----- ✂ Return to Student ✂ -----

PROJECT #: _____

Judges, please provide specific feedback below to help students learn, grow, and celebrate their strengths.

I appreciate how you _____

To improve, you might consider _____

<u>Rubric Section</u>	<u>Related Questions to Ask the Students</u>
Asking Questions and Defining Problems	<i>How did you measure the results of your investigative question / How did you collect your data?</i>
Planning and Carrying out Investigations	<i>What area of science does your question relate to? (Chemistry, biology etc.)</i>
Using Math	<i>What scientific information did you learn that helps to explain your project question?</i>
Analyzing and Interpreting Data	<i>What were some of the variables involved in your project?</i>
Constructing Explanations and Designing Solutions	<i>Did you make a graph or chart? How does it help explain your results?</i>
Presentation	<i>How does your data/results answer your hypothesis? Can you apply your scientific knowledge to help explain your results? If you decided to work more on this idea, what would you do next to improve your experiment? How did your mentors help you?</i>