

Trailside Science - Engineering Fair 3rd Grade Engineering Rubric

Engineer: _____ Grade: _____ Judge: _____

Criteria	Excellent	Good	Developing	Comments
Problem	Focused, original problem statement	New question	Standard problem	
Plan	Includes research that is connected to the problem and design	Includes research. Has a plan to find out more	Includes research and key terminology	
Creativity	Project is clearly student-driven and has a novel approach to use of materials and decisions	Project is a variation on a standard design and has a new approach use of materials	Project is a standard design	
Design Criteria	Design criteria is clearly defined with measurable goals. All materials listed and a timeline used	Design criteria is defined and includes goals. Materials and a timeline are listed	Key criteria defined and materials are listed	
Analysis or Results	Data answers problem statement and is recorded in notebook. Includes appropriate use of graphs/tables and discussion of decisions	Data may answer problem statement and is recorded in notebook	Data may answer problem statement	
Evaluations and Conclusion	Logical conclusion has been drawn from the data collected and answers the problem statement and/or raises a new problem statement	Reasonable conclusion has been drawn from the data collected	Conclusion drawn doesn't relate to the data collected	
Judge's Comments			Thank you for participating in the Science Fair! Science rocks and your efforts are awesome!	