

MWV Youth STEM EXPO - Scoring Rubric

Elementary



Ex # ____ Student Name _____

Project Title _____

School _____

Experiment _____

Engineering Design

Project Elements	Very Good	Good	Fair		Not Done	
Goal						
Design Problem: Is the design problem stated, clear and explainable?	5	4	3	2	1	0
Solution: Does the proposed solution address the problem in a reasonable manner?	5	4	3	2	1	0
Design Plan						
Procedure: Does the student tell what was designed and/or built and how it addresses the problem? Do they describe the steps and the their approach and reasoning?	5	4	3	2	1	0
Materials: Does the student include a list of essential materials, costs, description of hardware, software, etc.	5	4	3	2	1	0
Testing & Observations: Does the student describe testing their prototype and list their observations? Do they tell what they saw and/or measured? Do they list changes to the prototype?	5	4	3	2	1	0
Results: Does the student describe what happened? Do they tell about the final outcome and what changes, if any, they still need to address?	5	4	3	2	1	0
Summary: Does the student include a short statement to restate the problem, summarize what they did and how their prototype addressed the problem?	5	4	3	2	1	0
Communication						
Poster Quality: Is the students' project neat and accurately describes what they did? Is it creative in its presentation?	5	4	3	2	1	0
Interview: Did the student demonstrate an understanding of the project? Are they engaging and do they speak with confidence?	5	4	3	2	1	0
Models or Illustrations: Does the display include drawings, charts or models that help describe their experiment?	5	4	3	2	1	0
Total Score						/50

Comments and overall impression:

Judges Initials _____