

2016 Mount Washington Valley Regional Science & Technology Fair Project Scoring Rubric

Example

Ex # ____ Student Name _____
 Project Title _____
 Wave # ____ School _____
 Fair Test or Engineering

Experiment (Fair Test)

Invention (Engineering Design Process)

Project Elements		Very Good	Good	Fair	Not Done				
Fair Test	Engineering Design Process								
Question/Title: The research question is included, either as a title or separately; it is testable, descriptive, creative and relevant.	Problem/Title: The problem is included, either as a title or separately; it is descriptive, creative and relevant with a well-defined outcome.	10	9	8	7	6	5	0	
Research: Prior knowledge and/or background research is cited. Sources are relevant.	Research: Prior knowledge and/or background research is cited. Sources are relevant.	10	9	8	7	6	5	0	
Hypothesis: Is presented as clear & well-reasoned explanation of the phenomenon.	Solution: Addresses the problem in a clear well-reasoned manner.	10	9	8	7	6	5	0	
Materials: list is complete with details about quantity, size, condition etc.	Materials: lists bill of materials, description of hardware, software, etc.	10	9	8	7	6	5	0	
Procedure: Description is thorough, listing variables, explaining set up, describing measurements, chronology etc.	Procedure: Process attempts to address the problem, describing the sequence of the student's approach and reasoning.	10	9	8	7	6	5	0	
Results: Results describe the data and may include tables, charts, graphs and illustrations with proper units etc.	Results: Results describe outcomes and show results of prototype tests and chronology of modifications etc.	10	9	8	7	6	5	0	
Conclusion: Restates the question and notes how the experiment did or did not answer the question.	Conclusion: Restates the problem and notes how the design did or did not solve the problem.	10	9	8	7	6	5	0	
Discussion: Explains the results, analyzes trends and patterns, notes anomalies, report errors, etc. It should note new questions asked, suggests changes needed, etc.	Discussion: Explains what happened. Tells what worked and what didn't, notes how changes affected designs/results, what problems occurred and how they were overcome, suggest changes.	10	9	8	7	6	5	0	
Project Quality: The project is creative and presented in a neat, well organized manner and includes all of the above elements.	Project Quality: The project is creative and presented in a neat, well organized manner and includes all of the above elements.	10	9	8	7	6	5	0	
Interview: Student has a thorough understanding of their project, is engaging and speaks with confidence.	Interview: Student has a thorough understanding of their project, is engaging and speaks with confidence.	10	9	8	7	6	5	0	
Total Score									/100

Comments and Overall Impression:

Rank 1 2 3
 (Circle one)

Judges Initials _____