

2018 Mount Washington Valley Regional Science & Technology Fair

Project Scoring Rubric

Invention (Engineering Design Process)

Ex # ____ Student Name _____
 Project Title _____
 Wave # ____ School _____
 Engineering

Project Elements	Very Good	Good	Fair	Not Done			
Engineering Design Process							
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.	10	9	8	7	6	5	0
Solution: Addresses the problem in a clear well-reasoned manner.	10	9	8	7	6	5	0
Materials: lists bill of materials, description of hardware, software, etc.	10	9	8	7	6	5	0
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 outcomes and show results of prototype tests and chronology of modifications etc.	10	9	8	7	6	5	0
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 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. <u>If team project, how did each student contribute?</u>	10	9	8	7	6	5	0
Interview: Student(s) has a thorough understanding of the project, are engaging and speaks with confidence. <u>If team project, do both students contribute?</u>	10	9	8	7	6	5	0
Total Score	/100						

Comments and Overall Impression:

Rank 1 2 3
 (Circle one)

Judges Initials _____