

**2020 Mount Washington Valley Regional Science Fair  
Project Scoring Rubric**

Ex # \_\_\_\_ Student Name \_\_\_\_\_  
 Project Title \_\_\_\_\_  
 Wave # \_\_\_\_ School \_\_\_\_\_  
 Engineering

**Invention (Engineering Design Process)**

<b>Project Elements</b>	<b>Very Good – Good - Fair</b>	<b>Not Done</b>
<b>Goal</b>		
<b>Design Problem:</b> The problem is stated, either as a title or separately; it is descriptive, creative and relevant with a well-defined outcome.	10 9 8 7 6 5	0
<b>Solution:</b> Proposed solution addresses the problem in a clear well-reasoned manner.	10 9 8 7 6 5	0
<b>Plan</b>		
<b>Procedure:</b> Design/build process attempts to address the problem, performance criteria and constraints. Describes the sequence of the student's approach and reasoning.	10 9 8 7 6 5	0
<b>Materials:</b> Includes list of essential materials, costs, description of hardware, software, etc.	10 9 8 7 6 5	0
<b>Results &amp; Analysis</b>		
<b>Results:</b> Results describe outcomes and show results of prototype tests and chronology of modifications etc.	10 9 8 7 6 5	0
<b>Discussion:</b> 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
<b>Conclusion:</b> Includes a concluding statement that restates the problem and summarizes how the design did or did not address the initial problem.	10 9 8 7 6 5	0
<b>Communication</b>		
<b>Poster Quality:</b> The project is creative, neat, and accurately describes design process (goals, plan, & analysis). <u>If team project, how did each student contribute?</u> Approx. 800 words or less	10 9 8 7 6 5	0
<b>Interview:</b> Student(s) demonstrate a thorough understanding of the project, are engaging and speak with confidence. <b><u>If team project, both students contribute!</u></b>	10 9 8 7 6 5	0
<b>Design Notes and Report:</b> Includes notebook and/or report documenting design process. Prior knowledge and/or background research is cited.	10 9 8 7 6 5	0
<b>Total Score</b>		<b>/100</b>

Comments and overall impression:

Rank            1        2        3  
 (Circle one)

Judges Initials \_\_\_\_\_