

Team Name:

Grade:

Judge:



# Judging Form

## Evaluation Criteria

Start at the average/middle score (8 out of 15, 5 out of 10 and 3 out of 5), then add and deduct points.

Invention Process (45%)	Points	Comments
<b>Identifying and Understanding</b> <ul style="list-style-type: none"><li>Identifies and defines problem being solved</li><li>Has researched problem and possible solutions</li></ul> Exemplar: Clearly defines problem and has researched 4+ sources to understand problem	/15	
<b>Ideating</b> <ul style="list-style-type: none"><li>Identifies ideas for solving problem</li><li>Explains how the best idea was determined</li></ul> Exemplar: Explains that 2+ ideas were identified and the elimination process	/10	
<b>Designing and Building</b> <ul style="list-style-type: none"><li>Explains purpose and process for the design and build</li></ul> Exemplar: Clearly explains the journey of the design, including a written diagram with labeled materials	/10	
<b>Testing and Refining</b> <ul style="list-style-type: none"><li>Explains how the invention was tested and optimized</li></ul> Exemplar: Clearly explains the journey of the design, including a written diagram with labeled materials	/10	
<b>Invention Impact (25%)</b>	<b>Points</b>	<b>Comments</b>
<b>Value Proposition</b> <ul style="list-style-type: none"><li>Explains who would buy/use the invention and why they would use the invention rather than other products</li></ul> Exemplar: Provides a clear description and understanding of users and benefactors	/5	
<b>Market Potential</b> <ul style="list-style-type: none"><li>Has researched and demonstrated knowledge of how viable the market is for invention</li></ul> Exemplar: Addresses quantitative research and understanding of users and benefactors	/5	

**Invention Impact (25%) cont.****Points****Comments****Social Value****/5**

- Understands and describes positive and negative impacts of invention on the environment and society

Exemplar: Considers a broad range of social impacts and clearly articulates their potential impact

**Originality****/10**

- Invention is unique, novel and/or creative

Exemplar: Something you have not considered or seen before

**Inventor Communication (30%)****Points****Comments****Logbook****/10**

- Documents invention journey throughout the process
- Must be organized, effective and complete to receive a score greater than 3
- Score breakdown: No Logbook, 0 Points; Basic Logbook, 5 points; Exemplary logbook, 10 points.

Exemplar: Contains research about problem, research about similar inventions and thoroughly explains what makes this invention better/different; references 4+ sources, including interviews with experts in the field

**Prototype/Model \*\*Does not need to work\*\*****/5**

- Communicates key characteristics
- Useful visual of invention
- The prototype need not be a working model, but should communicate how the invention would work were it real.

Exemplar: Working apparatus or detailed model that effectively demonstrates intent and function of invention

**Pitch Video****/15**

- Best pitches introduce inventors, explain their process, reference project components (prototype, logbook) and articulate the origination and potential of invention idea
- Composure and ability to handle public speaking
- May use visuals (diagrams, printout, slides) to aid in explanations
- Under 6 minutes

Exemplar: Invention was clearly created by the student as evidenced by the ability to clearly and thoroughly explain the invention

**Total Score \_\_\_\_/100**