

K-12 **iNVENTU[®]** PRIZE RUBRIC

0- Not at all
1- Beginning
2- Partially
3- Acceptable
4- Advanced
5- Excellent

Team Name : _____

Evaluated By : _____ Date : _____

Instructions: Please mark the most appropriate scoring level for each project criteria area based on the products presented and student interview (if possible).

Engineering Design Project Criteria							Comments	Tally
1. Practicality- Have the inventors identified a clear need and intended user? Is the invention a good idea? Is it useful?	0	1	2	3	4	5		
2. Background Knowledge- How well do the inventors use research and scientific analysis in explaining how their invention works? Did the inventors perform a patent search?	0	1	2	3	4	5		
3. Design-Based Theory- Did the inventors consider multiple solution pathways and justify their solution choice? Did they iterate on their original idea? Do they have a meaningful mock-up or prototype(s)?	0	1	2	3	4	5		
4. Creativity- How is the product creative or novel? What makes it different from other currently available products?	0	1	2	3	4	5		
5. Marketability- Who will use and/or buy the product?	0	1	2	3	4	5		
6. Social Responsibility- Does the product better society in some way? And/or did the inventors consider the environmental impacts and life cycle of the invention, including disposal and materials?	0	1	2	3	4	5		
7. Enthusiasm & Communication- Are the inventors passionate? How well do they communicate their ideas?	0	1	2	3	4	5		
8. Manufacturing**- Did the inventors consider how the product would be made? How would the prototype be modified for production?	0	1	2	3	4	5		

** Highest score in this category receives the TAG Manufacturing Specialty Award

Total Points: /40