

Name:

Date:

Class:

Grade Sheet – Build a Better Cast Poster & Video

Section	Points	Comments
Group Information: title, member names, hyperlink to video	____/2	
Introduction: problem, relevance, interest, and goals clearly and creatively presented	____/7	
Must-haves and wants: identified, refined, organized, and prioritized, stated properly	____/5	
Sketching: sufficient design alternatives were developed, displayed, and explained	____/5	
Concept Selection: displays process of selecting the design based on the “must haves” STEM criteria	____/5	
Product Specifications: engineering specifications guided by user needs and relevant benchmarking; measurements for each user need clearly stated	____/7	
STEM: pictures and rationale explaining the science and math that supports the design; utilized appropriate science and/or math (STEM) content knowledge	____/15	
Prototypes: showcases clear design, distinct, creative, and well developed; addresses most of the issues identified from all design ideas and most all of the user needs	____/15	
Testing: test using STEM knowledge, prototypes showcase evolution of design based on testing data and/or consumer discovery; explanations of testing done or that could be done to optimize the product	____/7	
Future Work: modifications identified that will need to be done to optimize the design and science used to drive that decision	____/7	

Name:

Date:

Class:

<p>Overall Poster/Video: shows exemplary skills in collecting data from multiple sources and synthesizing their learning; clear understanding of the project and design process, layout is coherent, logical and creatively communicates your work; video is helpful and has a sense of salesmanship; everyone in group is represented</p>	<p>____/25</p>	
<p>TOTAL POINTS (100 max)</p>		<p>This is a group grade.</p>