

4.1 Score Sheet 1: Team Journal

Team: _____ Judge: _____

Required Components			SCORE
1. Initial Sketch and Description of Machine Design Planned			
<i>Minimal details provided. Machine steps or storyline not provided. 1-2 pts.</i>	<i>Most machine steps identified and storyline clearly articulated through sketch and description. 3 pts.</i>	<i>All machine steps identified with design details and storyline clearly articulated through sketch and description. 4-5 pts.</i>	___ / 5
2. Progress Photos			
<i>Only 1 or 2 progress photos. 1-2 pts.</i>	<i>3 or 4 progress photos, documenting most major aspects of the build. 3 pts.</i>	<i>5 or more progress photos, documenting all major aspects of the build. 4-5 pts.</i>	___ / 5
3. Written Description and Image of Final (or Near Final) Machine Design			
<i>Minimal details provided. Image or storyline not provided. 1-2 pts.</i>	<i>Image provided and clearly articulated machine description and storyline. 3 pts.</i>	<i>Image provided, clearly articulated machine description and storyline with technical details. 4-5 pts.</i>	___ / 5
4. Written and Numbered List of Machine Steps			
<i>Minimal details provided. Several steps not described or numbered. 1-2 pts.</i>	<i>Most machine steps clearly described and numbered. 3 pts.</i>	<i>All machine steps clearly described and numbered. Advanced Component steps clearly identified (Sr.). 4-5 pts.</i>	___ / 5
5. Cost of Machine and Percent of Recycled Materials Used			
<i>Minimal details provided. Machine cost or percent of recycled material not provided. 1-2 pts.</i>	<i>Cost of machine and percent of recycled materials provided with some itemization details. 3 pts.</i>	<i>Complete itemization and calculations of machine cost and percent of recycled materials provided. 4-5 pts.</i>	___ / 5
6. Written or Visual Documentation of Major Successes and Challenges			
<i>Minimal details provided. Only 1 major success/challenge included. 1-2 pts.</i>	<i>2 major successes/challenges included with clear details. 3 pts.</i>	<i>3 or more successes/challenges included with clear details. 4-5 pts.</i>	___ / 5
7. Written or Visual Documentation of the Incorporation of Advanced Components (Sr. Div.) / STEM Processes (Jr. Div.)			
<i>Jr. Div.</i>	<i>Minimal details provided. Very little to no documentation of any STEM processes included. 1-2 pts.</i>	<i>Documentation of a couple STEM processes with details provided. 3 pts.</i>	<i>Documentation of a few STEM processes with clear details provided. 4-5 pts.</i>
<i>Sr. Div.</i>	<i>Minimal details provided. Documentation of only 1 Advanced Component included. 1-2 pts.</i>	<i>Documentation of most Advanced Components with details provided. 3 pts.</i>	<i>Documentation of all Advanced Components with clear details provided. 4-5 pts.</i>
8. Written Reflection(s) of Entire Process (Team and/or Individual)			
<i>Minimal details provided. Superficial reflection(s) with no connection to personal or team learning. 1-4 pts.</i>	<i>Reflection(s) highlighting personal or team learning from start to end of build. 5-6 pts.</i>	<i>Reflection(s) highlighting personal or team learning from start to end of build and connection to future career or pursuits. 7-10 pts.</i>	___ / 10
Organization and Clearly Identified Required Components			
<i>Little to no organization or identification of above 8 components. Evaluator has to search to find most components. 1-2 pts.</i>	<i>Clear organization. Most above 8 components are clearly identified and easy for evaluator to find. 3 pts.</i>	<i>Highly organized. All above 8 components are clearly identified. It is no effort for evaluator to find all components. 4-5 pts.</i>	___ / 5
TOTAL			___ / 50