

## 4.1 Score Sheet 1: Team Journal

Team: \_\_\_\_\_

Judge: \_\_\_\_\_

Required Components			SCORE
<b>1. Planned Machine Design Sketch and Description</b>			
<i>Minimal details provided. Sketch or description of planned machine not provided. 1-2 pts.</i>	<i>Sketch provided and clearly articulated planned machine description and label components. 3 pts.</i>	<i>Sketch provided, clearly articulated planned machine description and labeled components with technical details. 4-5 pts.</i>	___ / 5
<b>2. Final (or Near Final) Machine Design Drawing/Image and Description</b>			
<i>Minimal details provided. Drawing/image or description not provided. 1-2 pts.</i>	<i>Drawing/image provided and clearly articulated machine description and label components. 3 pts.</i>	<i>Drawing/image provided, clearly articulated machine description and labeled components with technical details. 4-5 pts.</i>	___ / 5
<b>3. List of Machine Steps</b>			
<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. 4-5 pts.</i>	___ / 5
<b>4. Cost of Machine and Percent of Recycled Materials Used</b>			
<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
<b>5. Applied STEM Processes</b>			
<i>Minimal details provided. Very little to no documentation of any STEM processes included. 1-4 pts.</i>	<i>Documentation of 2-3 applied STEM processes with details provided. 5-6 pts.</i>	<i>Documentation of 4 or more applied STEM processes with clear details provided. 7-10 pts.</i>	___ / 10
<b>6. Reflection (More than 1,500 words = 10-point Penalty)</b>			
<i>Minimal details provided. Maybe 1 major success/challenge identified. Superficial reflection with no connection to learning or growth. 1-4 pts.</i>	<i>Reflection highlighting learning or growth from start to end of build. 2 major successes/challenges identified with clear details. 5-6 pts.</i>	<i>Reflection highlighting learning or growth from start to end of build and connection to future application. 3 or more major successes/challenges identified with clear details. 7-10 pts.</i>	___ / 10
<b>7. Bibliography</b>			
<i>1-2 references listed with minimum relevance to project or may not be credible sources. 1-2 pts.</i>	<i>3-4 credible references listed with clear relevance to project. 3 pts.</i>	<i>4 or more credible references listed with clear relevance to technical aspects of project. 4-5 pts.</i>	___ / 5
<b>Organization and Clearly Identified Required Components</b>			
<i>Little to no organization or identification of above components. Evaluator has to search to find most components. 1-2 pts.</i>	<i>Clear organization. Most above components are clearly identified and easy for evaluator to find. 3 pts.</i>	<i>Highly organized. All above components are clearly identified. It is no effort for evaluator to find and review all components. 4-5 pts.</i>	___ / 5
			<b>TOTAL</b> ___ / 50