



DESIGN PROJECT:

SCHOOL:

TEAM MEMBERS:

Cycle #	Page #	Dates		Main Design Δ	Reason	<input checked="" type="checkbox"/>	Brainstorm & Sketch New Ideas/Features Set Research & Design Goals/Timeline for Cycle	Choose Variables to Optimize Build New Version Draw / Take Pictures of New Version	Design Testing Process Make Hypothesis About Results Gather Data Note + 's and - 's of design, materials Reflect on Team's Process
		start	end						
1							<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
2							<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
3							<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
4							<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
5							<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
6							<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>

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<input checked="" type="checkbox"/> General Design Goals	<input checked="" type="checkbox"/> Advanced Design Goals
<input type="checkbox"/> Read specs (highlighted key parts, vocab) EDN page # _____	<input type="checkbox"/> Outlined monthly timeline/goals for EDP (# of prototypes, etc). EDN page # _____
<input type="checkbox"/> Jotted down questions about specs in Notebook. EDN page # _____	<input type="checkbox"/> Research STEM (how 6-8 math/science/engineering concepts inform your design). EDN page # _____
<input type="checkbox"/> Summarized design problem in your own words. EDN page # _____	<input type="checkbox"/> Research in Design. Explore features of related designs to utilize/modify. EDN page # _____
<input type="checkbox"/> Made list of success criteria, constraints. EDN page # _____	<input type="checkbox"/> Drew Orthographic (2D) and Isometric (3D) models of drawings. EDN page # _____
<input type="checkbox"/> Made list of all possible design variables. EDN page # _____	<input type="checkbox"/> Presented to STEM experts or design clients, sought feedback. EDN page # _____
<input type="checkbox"/> Explored team's prior knowledge related to the design problem. EDN page # _____	<input type="checkbox"/> Used Web Tools to build Animations (SketchUp) or Project Maps (ESRI). EDN page # _____
<input type="checkbox"/> Considered choices for materials and costs. EDN page # _____	<input type="checkbox"/> Impact Analysis (social/environmental impact, durability, etc.) EDN page # _____
<input type="checkbox"/> Research Related Designs (Online or in Library). EDN page # _____	<input type="checkbox"/> Presented Designs to School Staff, Local Businesses, Service Clubs, School Boards. EDN page # _____
<input type="checkbox"/> EDN Includes Table of Contents & Appendix (including what was researched, etc)	<input type="checkbox"/> Discussion of Which Variables Aren't Addressed and Why. EDN page # _____
<input type="checkbox"/> Created glossary of related STEM concepts. EDN page # _____	<input type="checkbox"/> Final Reflection (address same topics req'd for MESA USA poster). EDN page # _____
<input type="checkbox"/> Sketched/Took Photos of Each Design (to scale, features labeled). EDN page # _____	<input type="checkbox"/>
<input type="checkbox"/> Final Reflection on Design Strengths/Shortcomings. EDN page # _____	<input type="checkbox"/>
<input type="checkbox"/>	<input type="checkbox"/>