

Arm
ChangeMaker
Hydro
Rocket
RollerCoaster
OnSiteDesign
SolarCar
SpecDesigners



MESA team progress chart

general design goals

To reflect team progress within a cycle box or write in date.

												1. Read specs (highlighted key parts/vocab jotted questions)
												2. Jotted down questions about specs in design notebook
												3. Summarized design problem in your own words.
												4. Made list of success criteria, constraints
												5. Made list of all possible design variables
												6. Explored team's prior knowledge related to design problem
												7. Considered choices for materials and costs
												8. Researched related designs (Online or in Library)
												9. Made Table of Contents & Appendix for Research, Etc.
												10. Created glossary of key, related STEM concepts
												11. Drew prototypes/modifications (labelled features, to scale)
												12. Final Reflection on Design Strengths & Shortcomings
												13. Addressed Team's Own List of Additional, Advanced Goals

design cycle status

	arm	change	hydro	rocket	coaster	on-site	solar	spec d's	
#									Which cycle is team on?
E									Brainstorm & Sketch New Ideas/Features
									Set Research & Design Goals / Timeline for Cycle
D									Choose Variable(s) to Optimize ; Keep All Else Constant.
									Build New Version
T									Draw / Take Pictures / Map Newest Version. Label Changes/Features
									Design Testing Process & Make Hypothesis About Results
									Test. Gather Data In Tables
Notes?									Note +'s and -'s of design; Reflect on Team Process
									Present: Share updates on EDP with peers/advisor
									<i>General Notes?</i>

