



4-H STEM Challenge Scoresheet

County: _____ Team Name: _____

Machine Level: _____ Age Level: Beginner Junior Senior

Participants Name: _____ Age: _____ Participants Name: _____ Age: _____

Skills	Points Possible				Points Assigned
	50	100	150	200	
Participation – All members take an active part in the team effort.	Rarely	Some the time	Most the time	All the time	
Questions – Teams can answer questions	Rarely	Some the time	Most the time	All the time	
Notebooks – Teams documented their process in an easily understood manner.	Rarely	Some the time	Most the time	All the time	
Knowledge – Team understands the components of their design.	Rarely	Some the time	Most the time	All the time	
Challenge Scoring					
Capacity • Can carry a box of paperclips (Level 0 and Level 1) • Can carry an egg (Level 2)	0			100	
Efficiency • There are not excessive number of parts utilized. • It has the least number of parts.	High number of parts 25	Moderate number of parts 50	Low number of parts 74	Least number of parts 100	
Complexity • There are at least 5 types of materials utilized (Level 0) • There are at least 8 types of materials utilized (Level 1 and 2)	0			100	
Cost (<i>Junior and Seniors only</i>) • Level 0 Machine \$35 or less • Level 1 Machine \$45 or less • Level 2 Machine \$50 or less	0			100	
Comments:				Total:	

Beginner: Purple (826-1100) _____ Blue (551-825) _____ Red (276-550) _____ White(<275) _____

Junior/Senior: Purple (901-1200) _____ Blue (601-900) _____ Red (301-600) _____ White(<300) _____

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