Judges Form for Roller Coaster Competition

Team:		School:	<u>.</u>
Judges:			
Technical 70 points	The technical score judge	es the accuracy and reliability of your	roller coaster.
Travel Time Score Doubled if 1 min. +/- 5 sec.			e ball spends a minimum of 30 seconds traveling i) if the travel time is between 55 and 65 seconds
Start/End	The ball begins and ends 5 points	at the designated areas	Ball does not begin or end at the designated are 0 points
Rube Goldberg Challenge	Achieved 5 points	Bonus none	Not Achieved 0 points
Uniqueness of tricks	No trick is repeated during the run 5 points	Only one trick is repeated 3 points	Multiple tricks repeated 0-2 points
Tricks 20 pts		points, up to a maximum of 20 points amples are listed below, but don't lin	s. In case of a tie, the team with the maximum nit yourself to these suggestions.
Examples	Finish High	The ball finishes higher than it started.	
	Chain Reaction	A chain reaction takes place during the run.	
	Airborne	The ball becomes (purposely) airborne during a trick.	
	Loop	The ball transverses an upside- down loop without falling off.	
	Spring or rubber band	A spring or rubber band is used to perform a trick.	
	Corkscrew	The ball undergoes a corkscrew motion (horizontal loop).	
	Simple machine	A simple machine is used, such as a pulley, lever or wheel and axles system. A magnet is used to cause a	
	1	In magnet is used to cause a	I .

reaction/trick.

during the run.

Note: The maximum Technical Score is 70 points.

Magnet

Lift

Other

Other
Other
Other

General Technical Score Deduction Checklist: Does the roller coaster
fit into a volume of 4' by 2.5' by 4'? use a specified ending and beginning
point? stand up by itself? not use prefabricated toys except for decoration?
not use electrical, chemical or nuclear energy? not use water?

A lift is implemented at some point

Other unique tricks not mentioned

Other unique tricks not mentioned

(if these requirements are met, the roller coaster is eligible for a technical award and 2 points for each wrongdoing is not deducted from the overall technical score.)

Presentation (30 points)

Is the presentation board: (10 - Neat/easy to read?	•
•	number of errors? contains 2-5 easily found errors only contains 0-1 easily found errors
Does the presentation accurate - The tricks of the coas	ely identify and describe: (10 points) ster?/5 pts
•	
posture?/ 2 pts	· · · —— ·

Does the coaster have a theme?/6 pts
Is the theme carried throughout and well integrated into the coaster, poster, and the presentation?/8 pts
Is the theme creative?/8 pts
How well crafted is it (aka: is it appealing to the eye, is the construction of the theme and the coaster well done)? 8 nts

Theme (30 points)