Teamwork and Engineering Never Ends!

How did you work as a team to develop the best flying cups design and to invent a game using the flying cups?

If you were going to keep making your prototype better, what modifications would you make next and why? _____





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Flying Cups Original Design

Performance Score (PS)

Record the formula everyone will use to calculate Flying Cup Performance Score below.

 $PS = \underset{\text{weight}}{\overset{\text{weight}}{x}} x \underset{\text{distance}}{d} (\underbrace{\ }_{\text{units}}) + \underset{\text{weight}}{\overset{\text{weight}}{x}} x \underset{\text{time units}}{x} t (s)$

Decide which units you are going to measure the distance traveled in from the launch line. Then, decide on a weight for the distance and a weight for the time. Weight can be 1, 2, or 3.

Let's turn it into a game!

Name of the game

Objective of the game _____

Rules of the Game/Scoring Points/Winning



Place Best Prototype Post here.

Description of function and form modifications made from original design.

Performance and Notes

Original Design

Prototype Letter/Test	Dist. ()	Time (s)	PS
A1			
Notes			
A2			
Notes			
A3			
Notes			
A4			
Notes			
A5			
Notes			





IDEAS for Function Modifications

Better Box

Place Prototype Posts with Performance Scores better than the Original Post here.

Rejected Retangle

Place Prototype Posts with Performance Scores worse than the Original Post here.

Performance and Notes

Modification made:

Prototype Letter/Test	Dist. ()	Time (s)	PS
B1			
Notes			
B2			
Notes			
B3			
Notes			
B4			
Notes			
B5			
Notes			

4

Performance and Notes

Modification made: _____

Prototype Letter/Test	Dist. ()	Time (s)	PS
C1			
Notes			
C2			
Notes			
C3			
Notes			
C4			
Notes			
C5			
Notes			

Additional Noticings, Wonderings, and Engineering Notes
