



HS Giant Skimmer Car!

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Description:

Each team must design, build and race a foam core skimmer car that is shot using a stretched out rubber band. The winner will be determined by the greatest distance that the car traveled.

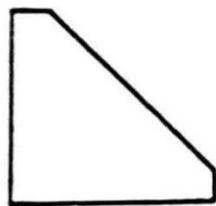
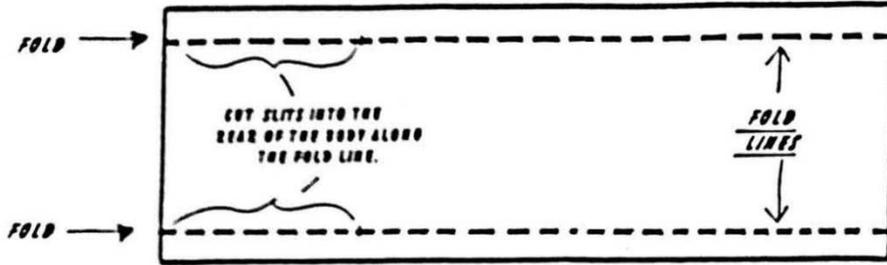
Rules of the competition:

- 1) Foam core (3/16" to 1/2") must be used for the general construction of the skimmer car.
- 2) Glue and tape can also be used in the construction of the car.
- 3) Each team can consist of no more than three (3) individuals. Single members are allowed.
- 4) The only power that the skimmer will receive is from the rubber band supplied. No motors, fans, or other means of propulsion.
- 5) The only metal that can be used in construction of the skimmer car will be for the rubber band attachment hook.
- 6) A school can enter no more than three (3) skimmer cars.
- 7) No wheels or other attached mechanical devices are to be used.
- 8) The max length is: 48", Min length: 20"
- 9) The max width is: 18", Min width: 6"
- 10) Maximum weight: 3lbs
- 11) The attached document is only a general design. Design modifications are welcome as long as they meet all of the rules.

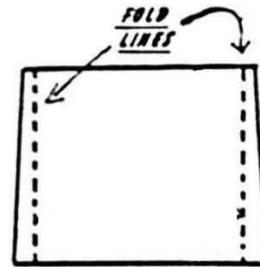
Competition format:

- 1) Skimmer car is launched by hooking the rubber band (medical tubing – supplied) to the car, pulling back, and releasing the car down the hallway. The distance that the car is pulled back is up to the team, but there will be a maximum line.
- 2) The winner will be determined by the furthest distance that the car traveled.
- 3) Overall length traveled will be measured from the starting line to spot where the hook attaches to the car.
- 4) The average of the 3 runs will be used if a tie breaker is needed.

MAIN BODY PANEL



FIN (NEED-2)



AIR SCOOP

