Architecture & Engineering

Rubber Band-Powered Vehicle Contest for the 2016 Engineering Fair

To register for the 2016 Engineering Fair visit:
http://tinyurl.com/engineeringfair

Registration Deadline
All schools MUST preregister no later than February 10, 2016.

Prizes & Distribution
Contest winners will be announced on the Engineer Fair web page at ***http://oef.org/programs/engineering-fair.*** Entries with winning prizes will be notified through their teacher on record by email by the following business day. First, Second and Third place winners in each category will receive medals. The winning classrooms of the First, Second and Third Place entries will receive a cash award.

Objective
Prior to competition, design and build a rubber band-powered vehicle which can carry a one-pound "load" the greatest distance in a straight line.

Materials & Restrictions
There are no restrictions on materials, size, weight or number of wheels. However, the only energy source permitted is the elastic energy of one rubber band, size #64 (approx. 1/4" wide by 3 1/2" long by 1/32" thick).

Commercially assembled vehicles are NOT permitted. However, commercially manufactured components may be used as parts of the vehicle. The "load" will be a 16 oz. box (including contents) of Arm & Hammer Pure Baking Soda (approx. size: 3 1/2" x 4 1/2" x 2").

Rules
Only official rubber bands (provided by judges at the Fair) must be used during the competition. The rubber band may NOT be cut and must remain with the vehicle throughout the run (NOTE: rubber band may be dragging from the vehicle at the end of the run).

Guard rails or a similar holding device must be part of the design on top of the vehicle to hold the "load" (load supplied by judges at the Fair). The "load" may NOT be tied or strapped to the vehicle (i.e., baking soda box must be easily placed on and removed from the vehicle).

Up to three runs will be permitted within a 5-minute time frame. Repairs and adjustments will be permitted between runs.

The vehicle must be self-starting (i.e., no pushing, external power starts, etc.). Contestants are permitted to hold the vehicle behind the starting line and simply "let go".

ADDITIONAL RULES APPLY
For official 2016 Rubber Band-Powered Vehicle Contest Rules visit:
http://www.oef.org/programs/engineering-fair/contest-rules

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