

# And They're Off!!



With the famous KY Derby only a few weeks away, your challenge is to take items from around your house (you know—rubber bands, cups and tops, a chop stick and other items from that drawer at home where the left over washers, paper clips, and bread ties go), use your science/engineering skills, and build a rubber band powered vehicle. Whose vehicle will go the farthest and be the fastest?

## Principal's Challenge: KY 'Rubber Band Powered Vehicle' Derby

### Rules:

1. May only be powered by no more than two rubber bands.
2. No pre-made cars (you can use random, pre-made parts, but no car kits). No K'nex or Lego cars. You may use Lego or K'nex wheels, but no more than  $\frac{1}{4}$  of your car can be comprised of any combination of K'nex, Legos or other building/construction toys.
3. You may not slingshot your car. The entire project must move.
4. Your car must have a minimum of 3 wheels.
5. No propellers or any form of electrical motor or otherwise. It's a rubber-band powered CAR, not a hovercraft or airplane.
6. Go online to find the best rubber band powered vehicles to build.
7. Make sure you get your parents involved!

The goal is for the vehicle to move across the gym floor powered ONLY by up to two rubber bands for any distance while remaining upright.

**DUE DATE—April 26, 2019**

