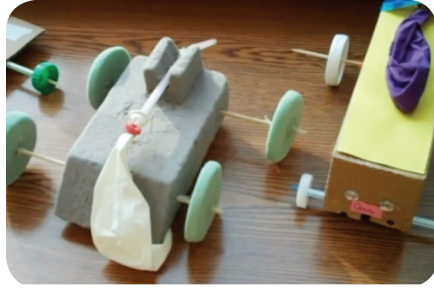


OBJECTIVE

- -to create a balloon powered car from various household items or low tech materials from your makespace.

NOTES

- no matter what grade level you are working with you can incorporate Newtons Laws of Motion.
- Through this activity the the concepts of speed (velocity), change in speed (acceleration), and power (force) are naturally integrated.



BALLOON POWERED RACE CARS

CHALLENGE

Students will create a car out of low tech materials. The car will be powered by 1 balloon only and must have a minimum of three wheels. The car must travel at least 1 meter. The car may not leave the ground.

MATERIALS

- 12 inch balloons
- Miscellaneous low tech materials

PROCEDURE

Once cars are completed (suggest a firm and fast deadline)

1. Inspect to ensure they have followed the guidelines. Cars that did not will be disqualified.
 For example using pre-made wheels- for example wheels from a toy kit—disqualified
 Car has 1 balloon, and no high tech items are included. (for example motor)
2. In groups of 4-6 have cars compete. Top 3 move on to next round. Keep going until there is a winner.