

4. Balloon-Powered Car Challenge

(Each Team contain 6 members, 10 teams per section)

**Date &
Time:**

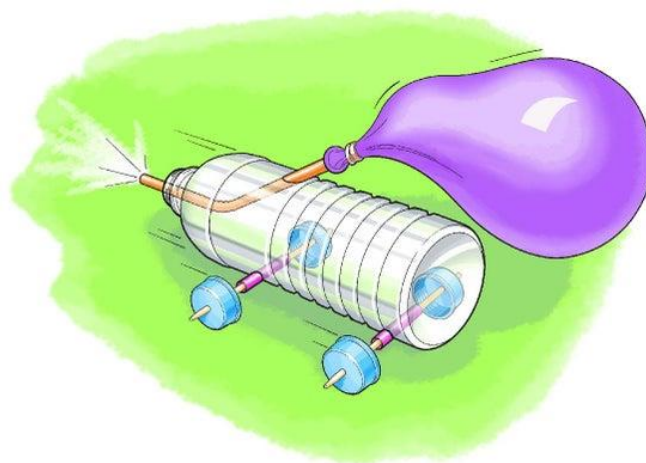
**25.08.23 &
10.00 am-
4.00pm**

Section: B1-B4

**Venue: B1 & B2 – Physics Lab 1
B3 & B4 – Physics Lab 2**

Materials Needed:

- ✓ 500 ml Plastic Bottle 1(**All must bring**)
- ✓ Bottle caps (4) (**All must bring**)
- ✓ 2 Wooden sticks, (**All must bring**)
- ✓ Balloons, (will be provided by the Department)
- ✓ Straws (will be provided by the Department)



Rules & Evaluation Guidelines:

1. The car should be sturdy and not fall apart when in use.
2. The car should go straight.
3. The car should go as far as possible.
4. Duration for the preparation 2 hrs.
5. Car which travel longer distance in a straight path will be considered as winner

Procedure:

- ✓ Construct the balloon car (**Refer video link**)
- ✓ Inflate the balloon (by blowing through the straw, if you attached it to a straw).
- ✓ Pinch the end of the balloon shut, or put your finger over the end of the straw, to prevent air from escaping.
- ✓ Put your car down on the floor, and let go of the balloon.

Video Link: <https://youtu.be/mCT-LGuuL24>,

& <https://youtu.be/STI3JCwdOIY>

https://youtu.be/jr3BOE_EpOk