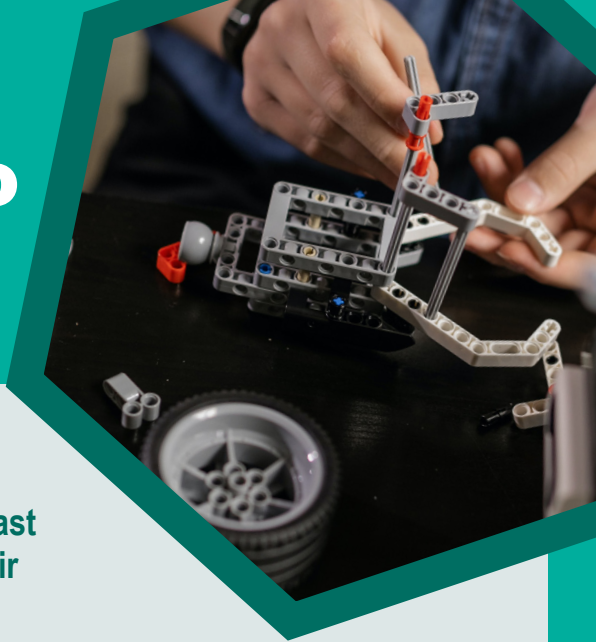


# Wind Powered Lego Car Challenge



**Create a car out of LEGO that is powered by wind!**

**The challengers are required to build a LEGO car with at least 3 wheels and must use a wind source, such as a fan or hair dryer to make it travel!**

**Contest starts March 1st and ends March 13th, 2022; at 12:00 PM.**

**Contest will be judged in three age groups (Grade K-4, Grade 5-8, Grade 9-12).**

**Each age group will have 1st, 2nd, and 3rd place winners (1st place-\$60.00, 2nd place-\$40.00, 3rd place-\$25.00). All winners will receive Amazon e-gift cards.**

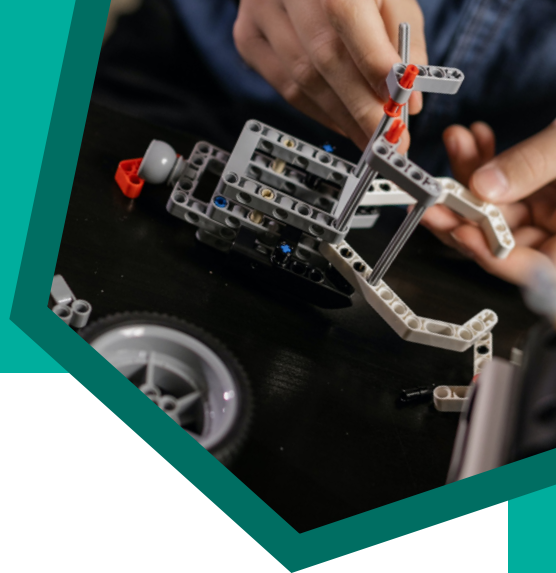
## Challenge Materials

Lego / Any type of paper or fabric to build a sail / Any household materials required to build and attach sail to vehicle (String, tape, etc.) / Measuring Tape / Hair dryer or fan / Camera and Video Recording Device

## Challenge Rules

1. Challengers must submit a blueprint for their LEGO car, either hand drawn or digital. The blueprints should include measurements (see scoring section for more details).
2. Challengers must construct a car out of LEGO. Making sure that is no longer than 20 cm (bumper to bumper). The car will be required to travel.
3. The car **MUST** have 3 or more wheels
4. The car **MUST** have sail attached
5. Challengers will be required to set out a measuring tape and take a video of their car travelling distance powered by a wind source (either a fan or hair dryer).
6. A video must be taken to complete this step. Place the car next to measuring tape at 0. Start with your wind source at 0 then power it up, use wind source until the car has stopped moving. Include how far the car has travelled in the video.
7. Submit a photo of both the car blueprints and the car itself (beside a measuring tape) along with the video. Please send all photos and videos to [skillsmb@skillscanada.com](mailto:skillsmb@skillscanada.com) by March 13th at 12:00 PM.

# Wind Powered Lego Car Challenge



## Judging/Scoring

### Distance

Vehicle travelled 0 – 1 meters	5 points
Vehicle travelled 1 – 2 meters	10 points
Vehicle travelled 2 – 2.5 meters	15 points

### Design

Challenger's submission was made from LEGO or LEGO like material and met SOME of the challenge criteria. (Sail, # of wheels, and size)	5 points
Challenger's submission was made from LEGO or LEGO like material and met ALL of the challenge criteria. (Sail, # of wheels, and size)	10 points
Challenger's submission met all of the challenge criteria and included a theme!	15 points

### Design Plans

No blueprint was provided.	0 points
Challenger submitted a blueprint.	5 points
Challenger submitted a blueprint including measurements.	10 points
Challenger submitted a blueprint including measurements and is to scale.	15 points

**Bonus Points**

**5 Bonus Points will be awarded if the vehicle is able to traverse over a speed bump!**

**Challenge Total Marks**

**45**