

WIND POWERED CAR CHALLENGE

STEP 1: BUILD YOUR BASE

RULE: THIS MUST STAY THE SAME.

YOU CANNOT CHANGE THIS MODEL!

TEAM NAME: _____



You've been selected by the Government of Canada to help design eco-friendly car that use wind power to run!

Using the materials provided, your mission is to design and build a sail that can catch the wind and make your car move as far as possible.

You will ALSO need to design and build a wind source that your group will use to create wind that will push your car the farthest!

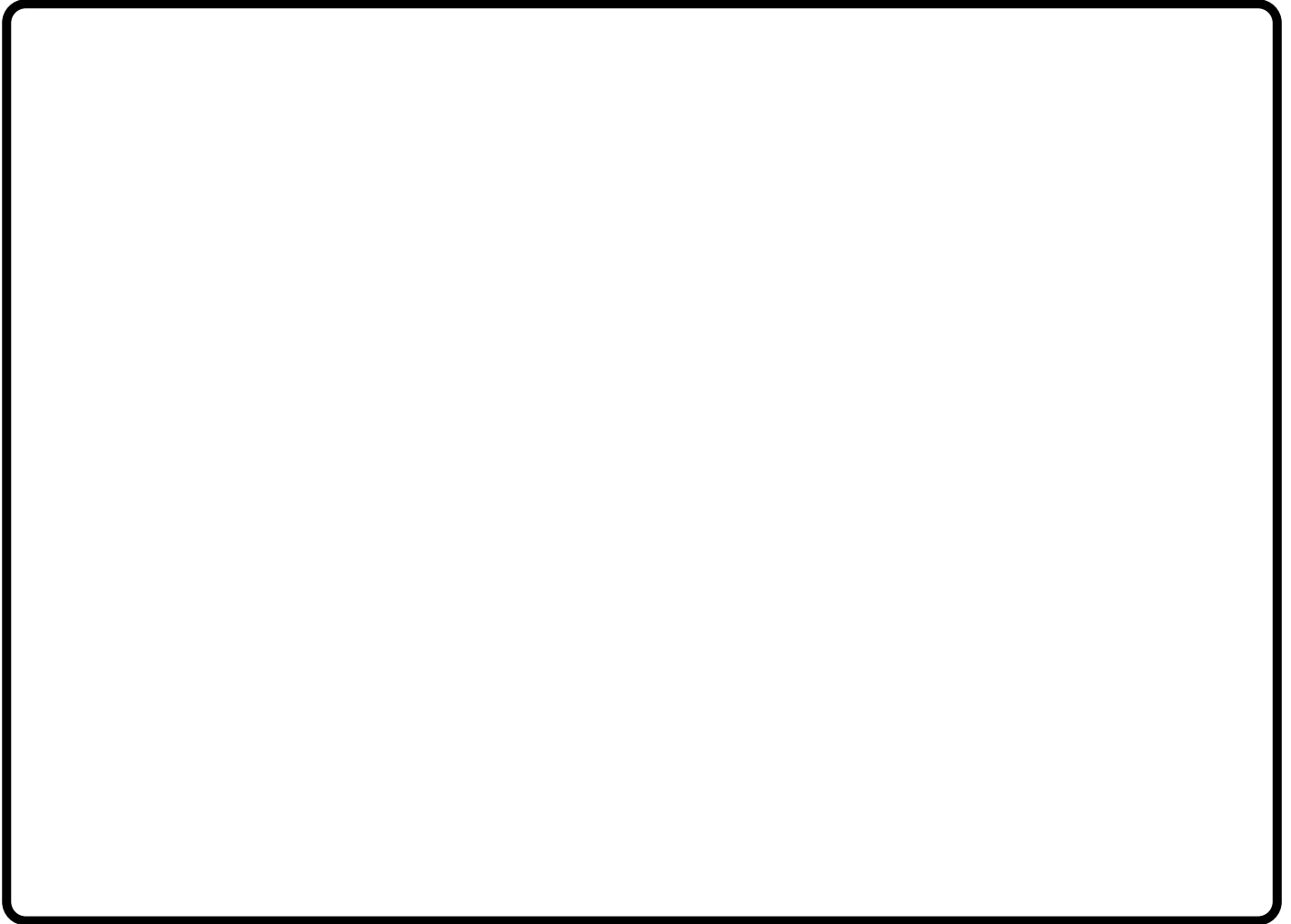
Goodluck and may the best design win!

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STEP 2: PROTOTYPE DESIGN

TEAM NAME: _____

Design your sail and wind source:



Materials needed:

WIND POWERED CAR CHALLENGE

STEP 3: BUILD YOUR DESIGN AND ITERATE



Now that you have designed your sail, you will begin to build your creation:

- 1) Collect your listed materials
- 2) Begin building your designs

Half of the group may want to work on the sail while the other half work on the wind device.

- 3) Test out your designs (At least ONCE)

It is working how you planned? What might you need to change?

- 4) Iterate your design:

Go back and make changes to your sail and wind device designs if it is not working properly. Then, TEST again.

RULES:

- DO NOT glue anything to you lego car, your sail must attach without glue
- You cannot change your lego car! Only your sail!