

Make a Wind Car

Many vehicles on the roads use gasoline, diesel or electricity to fuel their motion – but, have you ever seen a car fueled by wind? Here is your chance, this activity allows you to create your own wind car!

Suitable for ages:

Curriculum links:

- Kindergarten – Environment and Community Awareness, Physical Skills and Well-being (<https://education.alberta.ca/media/563583/kindprogstate2008.pdf>)
 - Grade 1 – Building Things
 - Grade 3 – Building with a Variety of Materials
 - Grade 4 – Building Devices and Vehicles that Move
- Grade 1, 3, 4 curriculum: <https://education.alberta.ca/media/159711/elemsci.pdf>

Instructions

What you will need checklist:

- One rectangular foam board or cardboard piece with a slit cut in the centre (approximately 8"x5")
- Two straws (should be as long as the width of your foam/cardboard piece)
- Two long cake pop sticks – should be able to fit through your straws
- One cardboard or box board square (approx. 5"x5")
- One large stick – can be a popsicle stick or a stick found outside
- Four wooden wheels (or create your own out of something else!)
- Stickers and markers to design your car
- Tape or glue
- Play dough

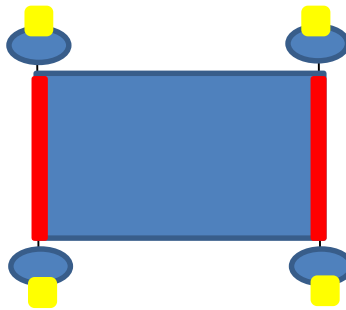
Instructions:

1. Take your larger foam board or card board (8"x5") piece and decorate it with your markers and stickers!
2. Attach the straws to the shorter ends of the foam board or card board piece with tape or glue (see below, red lines are the straws).



3. Once the straws are secured in place, take your cake pop sticks and put them through the straws.
4. Next, attach the wheels to your car. If you have wooden wheels, slide all four on each end of the cake pops and secure the ends with play dough. If you are creating your own wheels, create the wheels and attach them.

Here is what you should have so far, the circles are the wheels and the yellow squares are the play dough.



5. Take your cardboard square (5"x5") and decorate this, it will be your sail!
6. Take your popsicle stick or stick found outside and tape or glue your sail to it. Cut a slit in the centre of the body of the car and insert the stick. Your car now has a wind sail!
7. Put your car on a flat surface, and blow on the sail or put it in front of a fan!

Did you know?

Wind powered cars are real! These vehicles use wind turbines to convert wind power into electrical power which propels the vehicles movement.

Share with us!

We would love to see photos of your low-waste crafts and activities at home. Feel free to tag us or hashtag #GreenCalgary in your social media posts! Find us here:

