



# Build a Wind-Powered Car

Build a car that uses wind, a renewable energy source, to move!

## How to Build

1. Cut a cardboard piece for the body of the car and tape two straws at each end (on the bottom).
2. Push a skewer through each straw to create the axle.
3. Create holes in the bottle caps and slide one onto the end of each skewer.
4. Tape a skewer vertically on the other side (top) of the cardboard.
5. Attach a paper sail by poking the skewer through small holes in the paper.

## Materials:

- Cardboard
- Paper
- 3 Wooden Skewers
- 2 Straws
- 4 Bottle Caps
- Tape & Scissors



## Time to Test!

Bring your wind-powered car outside and let the wind push the car forward! The sail catches the wind which will propel the car forward on its wheel and axle.



**CONNECTIONS  
ENGINEERING OUTREACH**  
at Queen's University