WIND POWERED CAR CHALLENGE

Let's conserve our natural resources and reduce pollution by building a wind-powered car! Design and build a car that can move by the power of the wind!

You'll learn about Newton's first and third laws of motion.

1. An object at rest stays at rest until a force is applied.

2. For every action, there is an equal and opposite reaction.

The car remains at rest until a force is applied which propels it. In this case, you are trying to design and build a car that will be propelled by the force of wind.

Possible Supplies:

wheels, craft sticks, twist ties, tape, K'nex®, LEGO® bricks, nuts and bolts, screwdriver, screws, household fan, pulleys, gears

WRITE IT, TEST IT, KNOW IT

Test It: Test it: Build a prototype of a wind-powered car and test it with a box fan or bring it outside on a windy day!

My ideas:

My supplies:

My results:

WRITE IT, TEST IT, KNOW IT

Write it: What other ways can you power a car without gasoline. Which one would you choose and why?

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