

PARENT NOTES: SAIL POWER!

WIND RACER

Today, we built a wind-powered car to understand not only how we can use renewable wind energy but also how to engineer different components of a car including the chassis, bearings, axels and wheels.



ASK YOUR CHILD

What did you make today?

(A wind racer, or sail-powered car)

How fast/how far does it go?

How do the wheels work?

(Wheels are attached to an axle, which is a long stick. The axle runs inside the bearings, which allow the wheels to spin freely without touching the rest of the car).

What can you use to power your car?

(Wind from breath/fan/hairedryer)

Do you think all cars should have sails?

(Not great for when it's not a windy day, we need a way to store the energy)

Do you think a human sized wind-racer would work?

(Yes look up a blokart online)