

# 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/hairdryer)

**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)