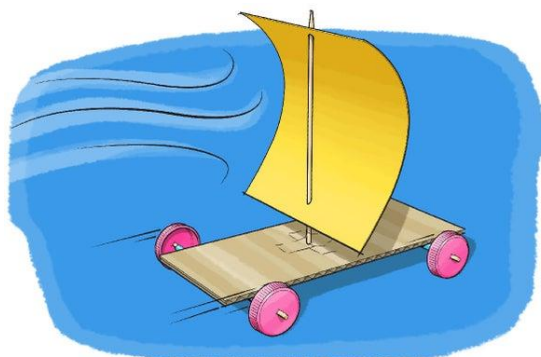


## Wind Racers

Build a sail car powered entirely by the wind! Use the materials provided in your kit and from around your home to create your vehicle. Then, see how far it will travel by blowing air against the sail.

### Things You Will Need From Home:

- Pair of scissors
- Tape
- Glue or hot glue (optional)
- Additional supplies for decorating (markers, recycled materials, etc. – optional)
- Fan for testing (optional)



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# Building Without a Kit

In case you weren't able to pick up a kit, no worries! You can build a racer using supplies that you might find around your house. Here are some suggested materials in addition to scissors, tape, and glue.

## For the Car Body:

You will want a stiff material for the car body, such as cardboard, foam board, wood, craft sticks, cereal box, Amazon box, etc.

## For the Wheels:

Wheels can be made out of materials like cardboard, foam board and plastic. You can also try bottle caps, round plastic lids, old CDs, and more! You'll also need to make axles for the wheels to spin on—straws, wooden dowels, old pens or pencils, thick nails or screws, bamboo skewers could all work.

## For the Sail:

You can use lots of things to make a sail – paper, fabric, aluminum foil, plastic bags – try experimenting with materials that are stiff and ones that are flexible.

You'll also need to create a mast for your sail out of a stiff material like a craft stick, wooden dowel, straw, pencil, etc.