

Date: _____

Name: _____

How to Build a Race Car

This activity was created by Katy.

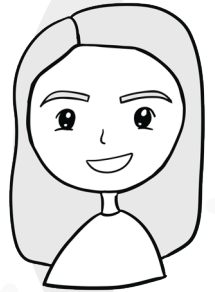
Race cars are designed to be fast! Follow these instructions to build your own race car and learn some more about race cars!

Materials

- 4 Plastic bottle lids
- 2 Wooden skewers or dowels
- 2 Plastic straws
- 1 Plastic bottle
- Scissors
- Glue
- Decorations (optional)

Real race cars have many different parts. We are going to do our best to have all of those parts in the cars we are building. Here is what some of these parts in our cars would be in real race cars:

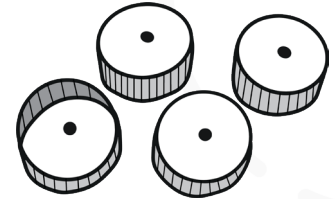
- plastic bottle lids = wheels
- wooden skewers = axles
- plastic straws = axle support
- plastic bottle = car body



Instructions

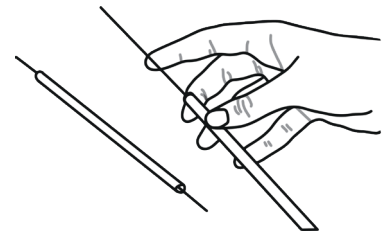
STEP 1

Carefully make a hole in each “wheel” (bottle lid) using your scissors. Ask an adult if you need help.



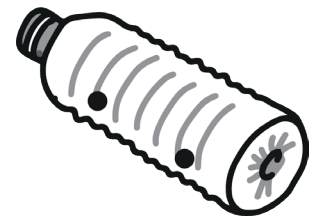
STEP 2

Take one of your “axles” (skewers) and put it inside the “axle support” (straws). Do this with both sets of axles and axle supports.



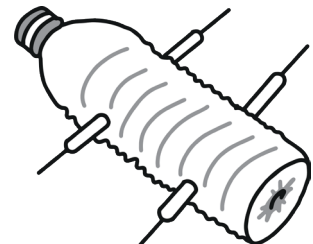
STEP 3

Carefully make 4 small holes on the lower half of the “body” (water bottle), two on either side, around 5cm apart. Make sure the holes are big enough for the axle supports to fit through.



STEP 4

Insert the axle supports and axles (straws and skewers) through the holes in the body (water bottle). Make sure they stick out on either side of the body.



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**STEP
5**

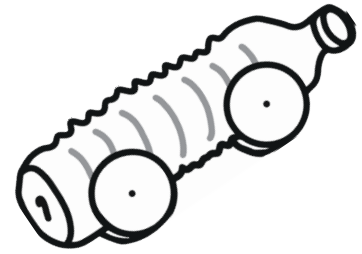
Glue a "wheel" (bottle lid) to the end of each axle (skewer).

**STEP
6**

Decorate your race car however you would like.

**STEP
7**

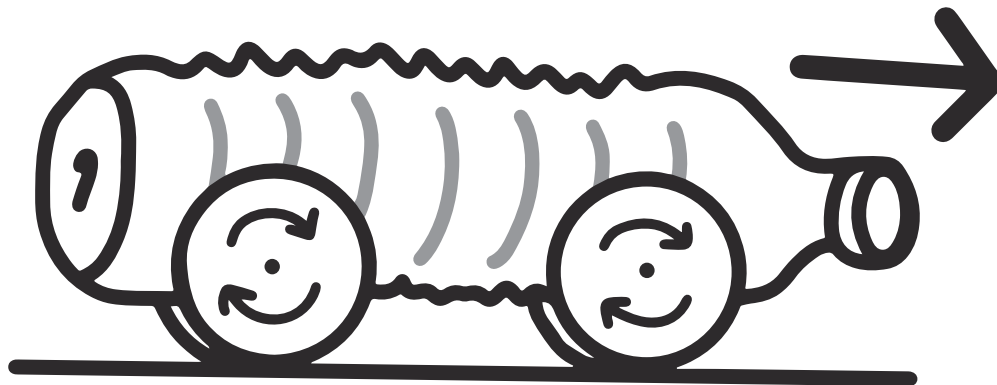
You are done! Time to push it and pull it around and watch it move!



Clockwise or Counterclockwise?

Clockwise is the direction the hands of a clock move.

When wheels are spinning clockwise your car is going forwards!



Counterclockwise is the opposite direction that the hands on a clock move.

When wheels are moving counterclockwise your car is moving backwards!

