

Build your own Gravity Racer!

Follow these steps to build and test your own gravity racer!

What design will you choose? Once you've built your gravity racer, take a photo of it and send it to hello@kidsinventstuff.com



What you need

- cardboard
- plastic wheels
- x2 straws
- x4 wooden skewers
- a weight
- string/ thread
- paperclip
- glue gun/ tape



Glue together seven
3cm x 4cm cardboard
pieces to make a stack.
Repeat.



Attach the stacks to a
larger piece of cardboard
using a glue gun or tape.



Glue or tape three, 4cm straw
pieces to your car base.



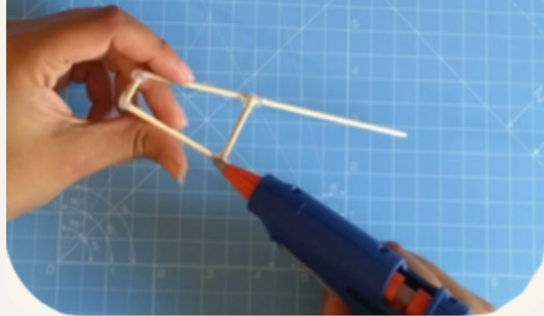
Slide kebab skewers into
the straws and attach
some wheels.



Make a string path to your axle
for adding weight later.



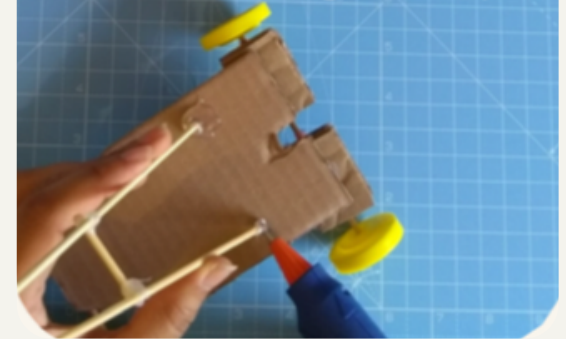
Build tower at least 15 cm tall using skewers and glue or tape.



Attach a 1cm straw segment to the top of the tower.



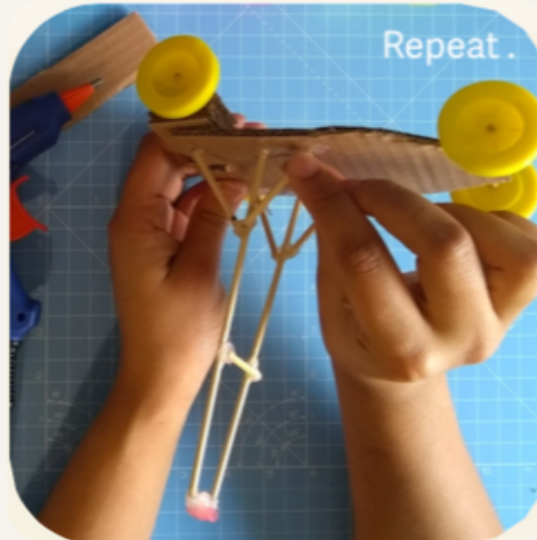
Attach the tower to the car base using glue or tape



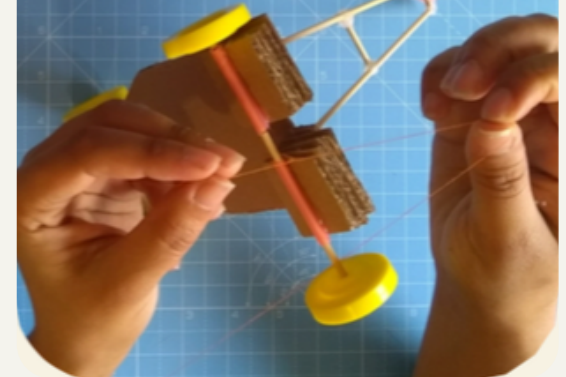
Build supports for the tower using skewers.



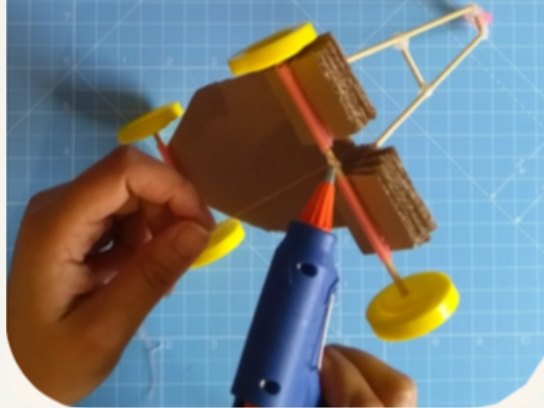
Repeat .



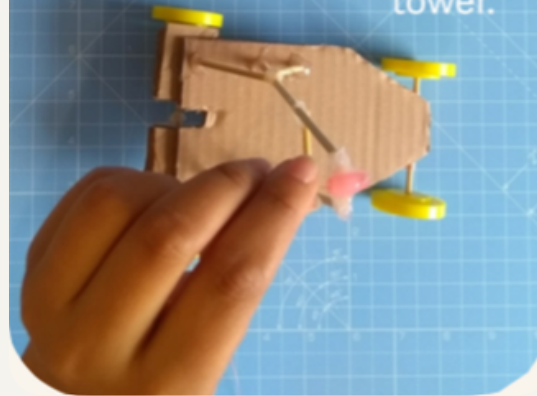
Double knot a long string (at least 60cm long) around the back axle.



Secure string to the back axle using a glue or tape.



Feed string through the straw on top of the tower.



Tie string around a bag of pennies or another weight.



Lift the weight by winding the string around the back axle.



Decorate.



Play!

