

How to Make a Wind Racer

Introduction:

Making a Wind Racer is wholesome fun that takes only a few minutes to do, but can be entertaining for hours. It can be an activity you do on your own or even with a group of friends. There are many ways to make a Wind Racer, and the instructions below show just one of those ways. Follow the steps carefully to build your own simple, fun, quality Wind Racer!

Materials Needed:

Printed Wind Racer template
 Scissors
 Ruler
 Hole punch
 Hard candy with a hole (Wint O Green Lifesavers® work well).
 Straw*

*If you use a bendy (flex) straw, you will need 2 of them.

Warnings:

Be aware of sharp edges and paper cuts.
 Remember not to run with scissors.

Steps:



Figure 1

1. Cut a 2 inch piece off the straw (see Figure 1). Set aside the two pieces of the straw for steps 6 and 8.

Note: If you are using a bendy straw, you will also need to cut a 6 inch piece off the second straw.



Figure 2

Note: It is ok to turn the paper to make folding easier.

2. Fold the template (paper) on the FOLD 1 line (see Figures 2 and 3).

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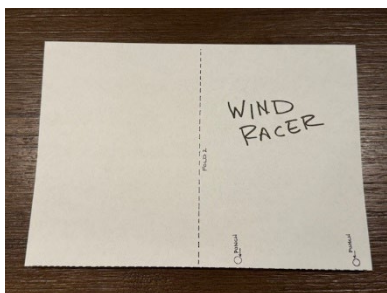


Figure 3

Note: The paper should look like Figure 3 after you finished Step 2.



Figure 4

3. Fold the template (paper) on the FOLD 2 line (see Figure 4).

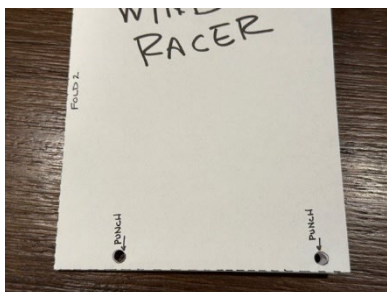


Figure 5

4. With a hole punch, punch out the 2 holes marked "PUNCH" on the template (see Figure 5).



Figure 6

5. Open the template (paper) card style (see Figure 6).



Figure 7

Note: You will now add the wheels to the Wind Racer.

6. Place 1 hard candy on the 2 inch (short) straw (see Figure 7).

Note: this will be the front axle of the Wind Racer.

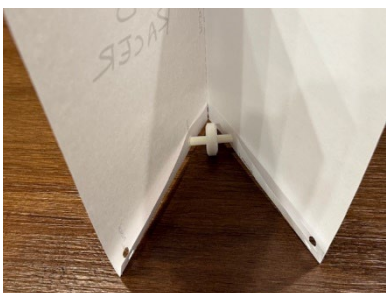


Figure 8

7. Insert the 2 inch straw into the two holes closest to the card center (see Figure 8).

Note: The hard candy should be between the holes in the template.

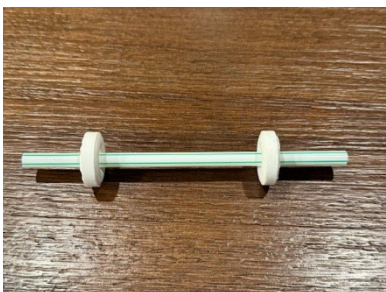


Figure 9

8. Place 2 hard candies on the 6 inch (long) straw (see Figure 9).

Note: this will be the back axle of the Wind Racer.

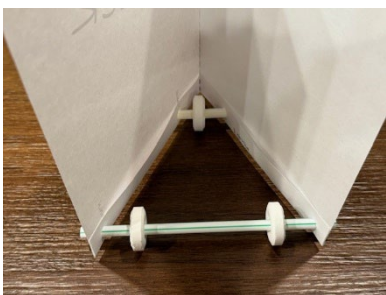


Figure 10

9. Insert the 6 inch straw into the two holes furthest from the card center (see Figure 10).

Note: The 2 hard candies should be between the holes in the template.

10. Slide the 2 hard candies away from each other along the straw to balance the Wind Racer (see Figure 9).

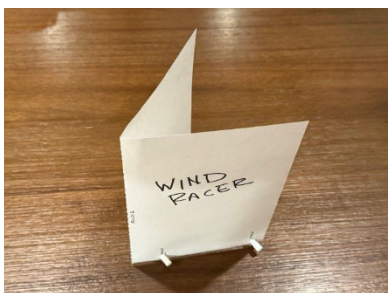


Figure 11

11. Set the Wind Racer on an open, flat surface with the wheels (hard candies) down so they can roll freely (see Figure 11).

12. Blow into the paper sail and watch how it goes.
Have fun!

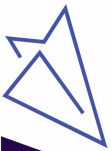
Have a contest with your friends to see whose Wind Racer will go the farthest.

⚠ Warning – Rapid exhaling may cause dizziness.

♻ Please Recycle

WIND RACER

FOLD 2



AFS

Aviation First Steps

www.aviationfirststeps.org

PUNCH



PUNCH



FOLD 1