

TYWLS 500

Materials:

1. Two Styrofoam Plates
2. 1 Balloon
3. 2 Coffee Stirrers
4. 2 Flexi-Straws
5. Masking Tape
6. Scissors
7. Ruler

How to make your car:

1. Cutout the templates below.
2. Trace the rectangle (*Car Body*) onto one plate. Use the scissors to cutout the car body.
3. Trace the circle (*Wheel*) 4 times on the second plate. Use the scissors to cutout each wheel.
4. Place the wheel template on top of the Styrofoam wheel. Use your pen or pencil to poke a hole through the center of the Styrofoam wheel. Repeat for the other 3 wheels.
5. Use the coffee stirrer to make each hole slightly larger.
6. Measure and cut two 6cm pieces from one of the flexi-straws.
7. Measure 2cm from the top edge of the car's body and draw a line at this mark.
8. Tape one of the 6cm straw pieces to the car's body at this mark.
9. Repeat steps 7 and 8 for the other 6cm straw piece.
10. Measure and cut 7cm on both coffee stirrers.
11. Poke the coffee stirrer through one of the wheels. Tape the coffee stirrer to the outside of the wheel at 0.5cm from the end of the coffee stirrer.
12. Slide the coffee stirrer through the straw piece.
13. Poke a second wheel through the coffee stirrer. Attach the wheel and coffee stirrer together with tape at 0.5cm from the end of the coffee stirrer.
14. Repeat steps 11-13 for the other set of wheels.
15. Blowup the balloon and let the air out 2 or 3 times in order to stretch it out.
16. Slip the straw into the balloon. Use masking tape to seal the balloon to the straw. Test the seal by blowing up the balloon.
17. Use masking tape to attach the second flexi-straw to the car's body so that there is 6cm of the straw sticking out from back of the car.
18. Cleanup any materials you used. Place the ruler, scissors, and tape in the appropriate place. Throw away any loose Styrofoam, paper, and straw pieces.
19. Check-in with Jonathan to test your car.

