TYWLS 500

Materials.

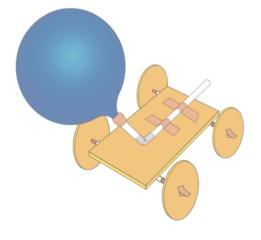
- 1. Two Styrofoam Plates
- 2. 1 Balloon
- 3. 2 Coffee Stirrers

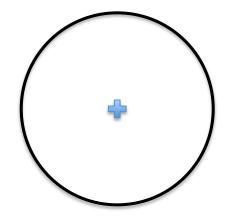
- 4. 2 Flexi-Straws
- 5. Masking Tape
- 6. Scissors

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.





Car Body