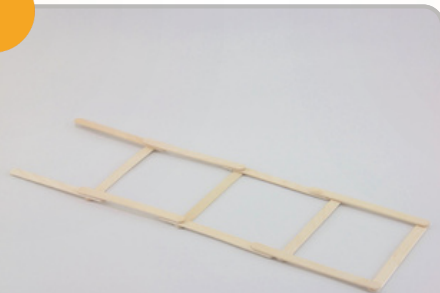


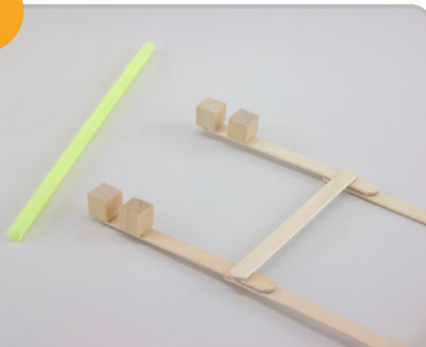


1



1. Create a frame as shown. Make sure there's a gap between the sticks on one side of the frame.

2



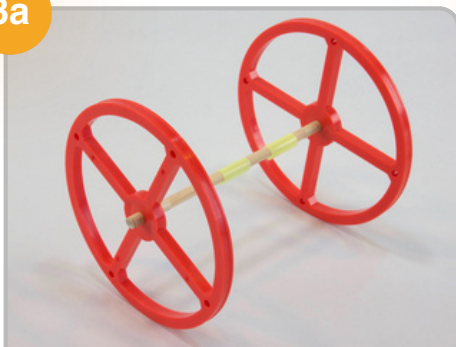
2. Glue four craft cubes onto the open end of the frame with a gap between them. The gap is the same width as a straw.

3



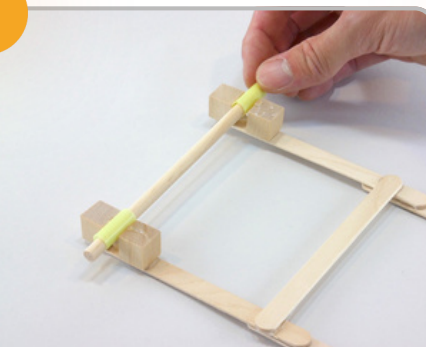
If the wheels fit loosely, then wrap one layer of masking tape around the end of the dowel before putting the wheels on.

3a



3. Cut very short pieces ($\approx 0.5 - 0.75$ ") of straw and put it onto the dowel, then fit the large wheels onto the ends of the dowel.

4



4. Glue the drive wheel straws into the gap between the cubes (drive wheels removed for visual clarity, but not necessary for this step).

5



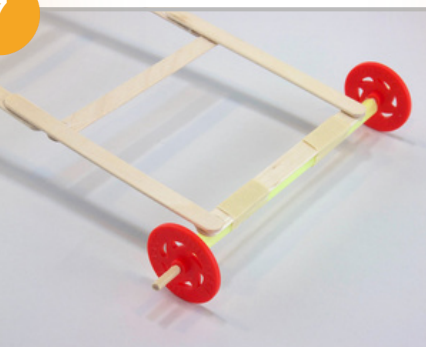
5. Flip the frame over. Tie a cable tie off-center on the drive wheel dowel, then cut off the excess.

6



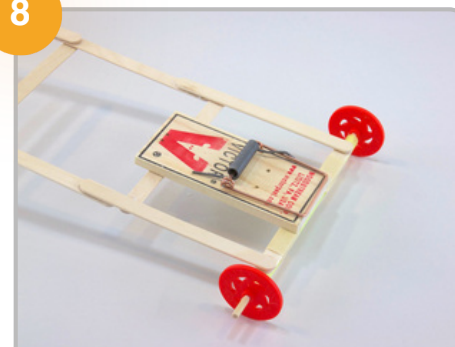
6. Put a 5" straw piece onto the 1/8" dowel. Fit two small wheels onto the ends of the dowel; wrap the ends in tape if the wheels slip off.

7



7. Tape the wheels to the other short side of the frame. Make sure these wheels are parallel to the drive wheel dowel.

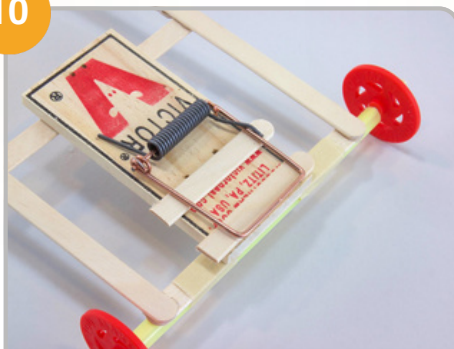
8



8. Glue the mousetrap to the frame near the small wheels. Make sure the closed arm is facing toward the small wheels as shown.

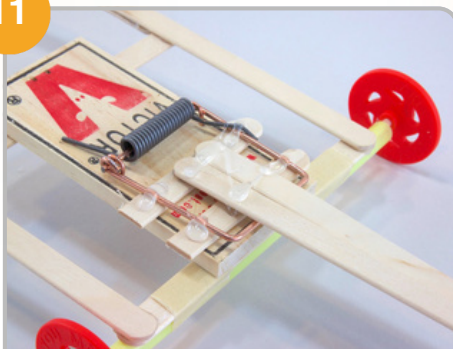


10



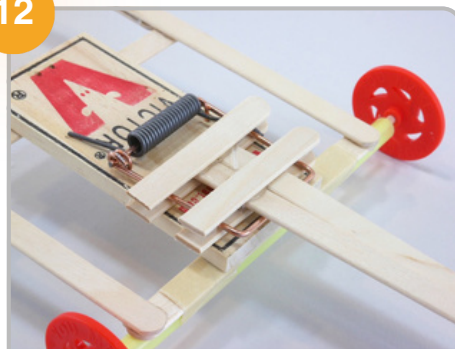
9. Lift the mousetrap arm and position two half-craft sticks under it as shown.

11



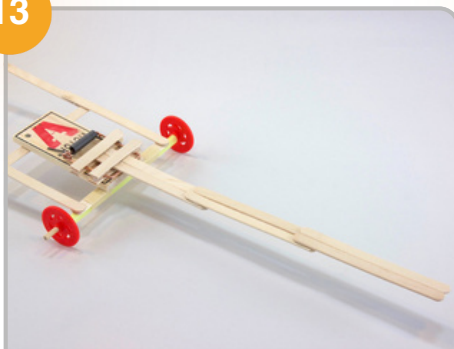
10. Glue two craft sticks perpendicular to the half-sticks, then apply a generous layer of hot glue over all the sticks and the metal bar.

12



11. Glue two more half-sticks on top of the arm as shown. This sandwiching technique creates a strong foundation to build upon.

13



12. Extend the arm so it's about 12" long. When pulled back, the end of the arm should touch the drive wheel dowel.

14



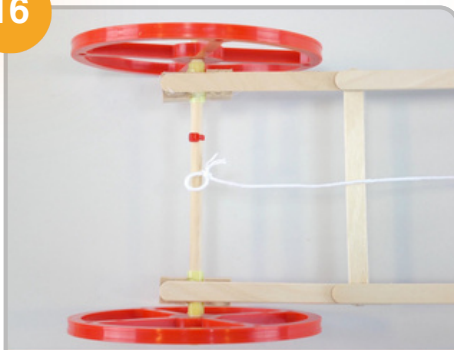
13. Pull the arm back toward the drive wheels. Apply hot glue to the end and lay the end of the string onto it.

15



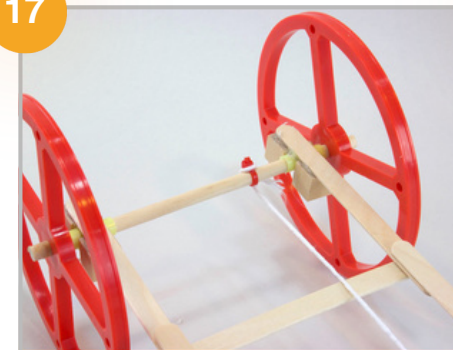
14. Wrap tape around the string and the arm. The technique will prevent the string from coming undone.

16



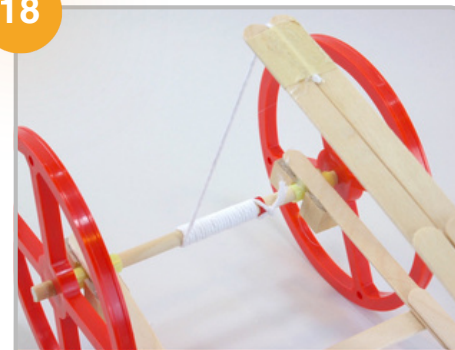
15. Cut the string so it's about 2-3" past the drive wheel dowel, then tie a loop at the end as shown.

17



16. Start winding: Loop the string onto the cable tie from the underside of the dowel. This will make the car drive with the big wheels in front.

18



17. Wind the string around the dowel by turning the drive wheels. As much as possible, try to wrap just one layer of string around the dowel.



18



To drive, set the car on a smooth, flat surface, then let go!