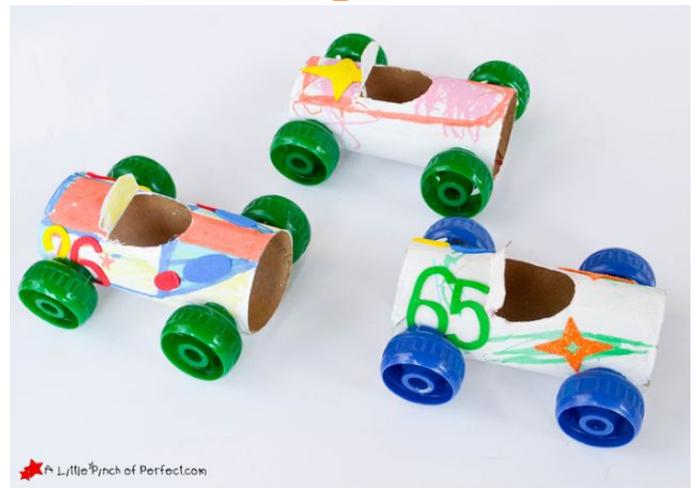


# Let's Make Race Cars! How to Make Toilet Paper Rolling Toy Race Cars

Example one:



Example two:



Example three:



Example four:



As you can see there are **MANY** different ways to make these cars. What are the 4 things they all have in common? Can you spot the similarities? They are:

- 1) They are all made out of toilet paper rolls
- 2) They all have color
- 3) They all have 4 wheels
- 4) They all use toothpicks to attach the back and front wheels together. This type of rod to keep wheels together is called an **AXLE**. All of these cars have axles.

Everything else is up to you! Let your imagination take ahold and let's go!

Supplies:  
Toilet paper tube  
Paint  
Paintbrush  
2 Toothpicks  
Scissors  
Hot glue/gun  
4 lids or pouch caps  
Markers, stickers, or paint



1. Cut a U shape in the cardboard tube to make the opening for toys to sit in the car. Fold the U up and cut it again to make it smaller.
2. Paint the toilet paper tube white and set it out to dry.
3. Let kids decorate their cars with markers, stickers or paint.
4. Take the toothpicks and stick them through the front half and the back half of the car. Hot glue the wheel on the toothpicks, and it's ready to play with. Vroom, Vroom!



**Learning questions (thinking prompts) to ask your child:**

1. What was the hardest part of making the car? Why?
2. What is your favorite part of {making} the car? Why?
3. How do you think the car would drive with only 2 wheels? What about 3 wheels? What about 5 wheels?
4. How well do you think the car would drive with non-circular wheels? (i.e. If you chose triangles for squares for wheels). Why do you think that?
5. How fast can your car go? Does it go faster when it's going uphill or downhill?