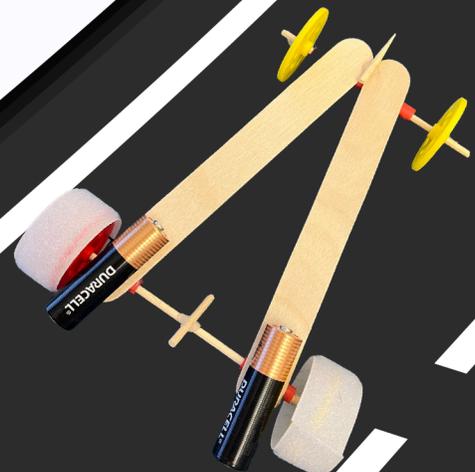
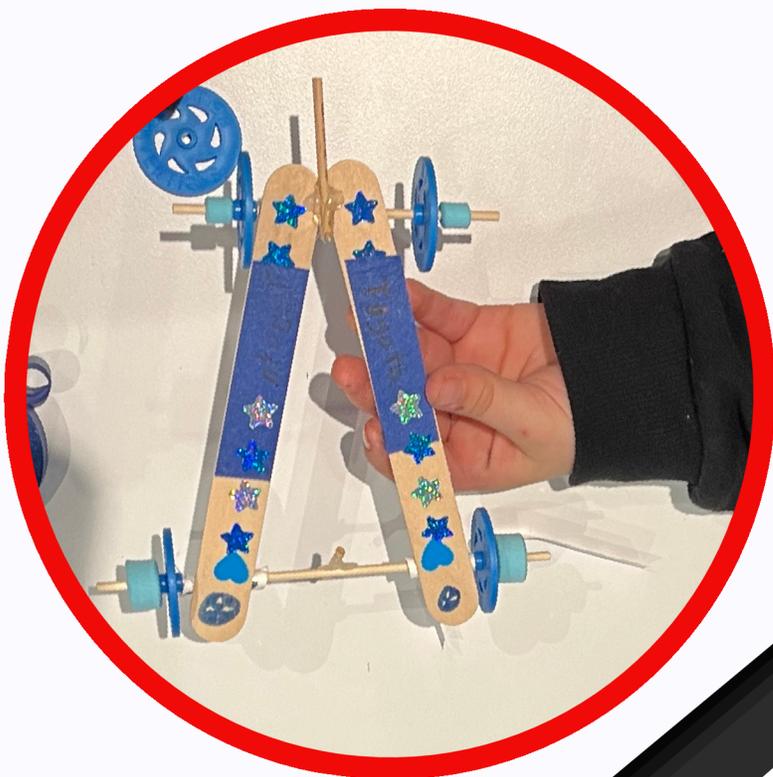
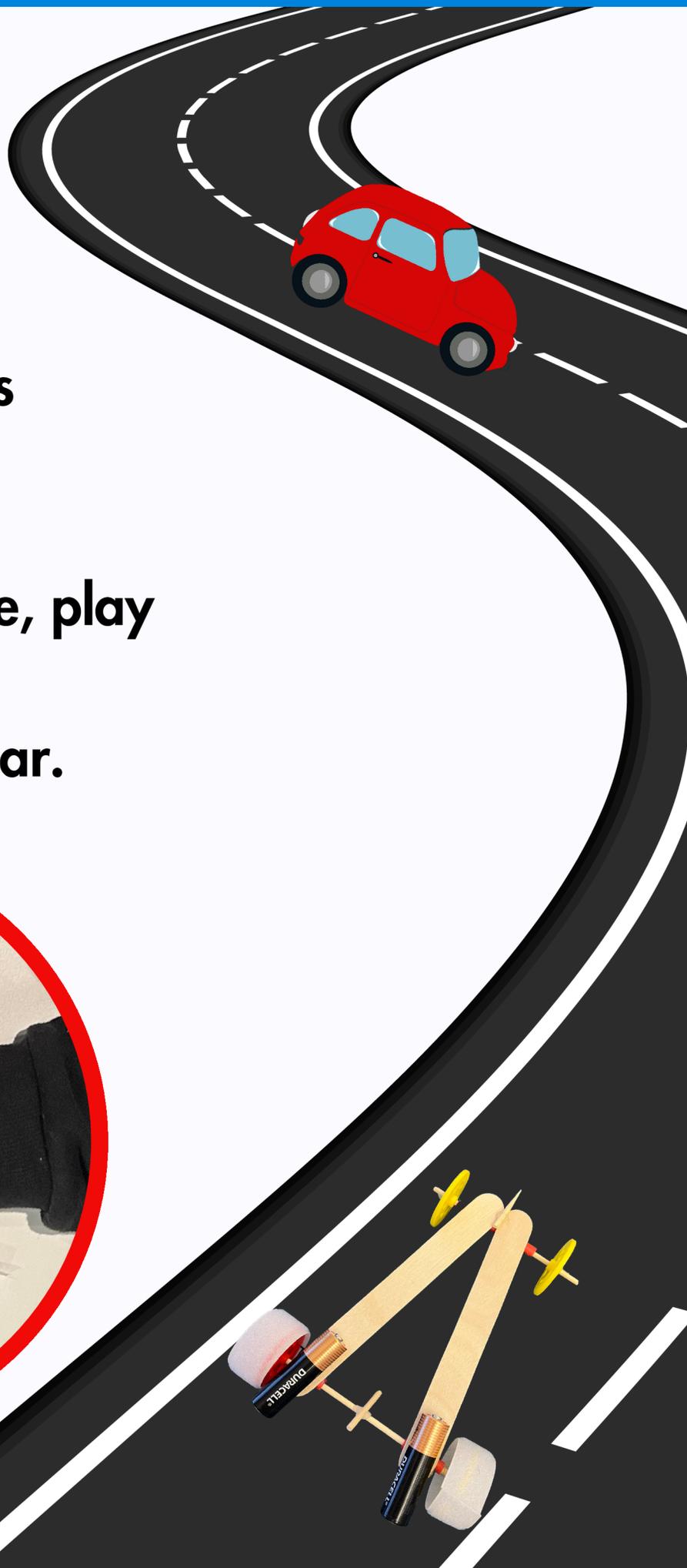


# BEEP BEEP!

Many people have worked together to design amazing cars and safe roads!

Today you will make, play with, decorate, and improve your own car.



# What to Do

Test early  
and often!



**Gather** your materials.



**Design and build** - you can use the instructions as a starting point.



Then **test your creation** on the floor or on the ramp.



**Watch** what happens to help you **learn** how to improve your building.



Does the car work the way you want it to? What could you try to make it go faster or farther?



Take it back to your station, tinker with it, and watch what happens!



**FAMILY ENGINEERING**  
*DIY Rubberband Cars*



## TOP OF CAR

Front  
of car



## BOTTOM OF CAR

Bottom  
axle is  
attached



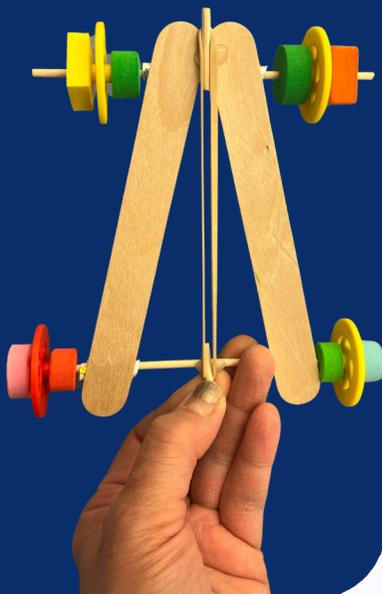
Add the  
front axle



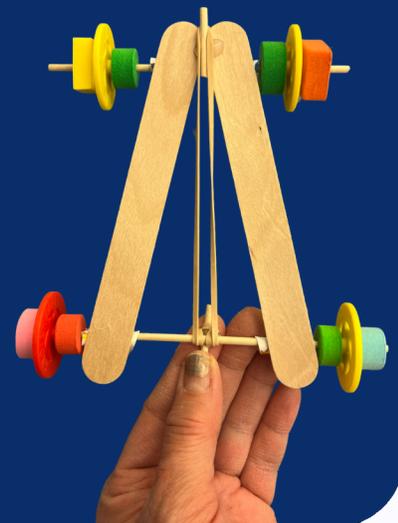
Add wheels  
and hubcaps.  
Test it without  
the rubberband  
and see if you  
need to add  
inside hubcaps.



Add a  
rubberband to  
the top and  
pull it to the  
back axle.

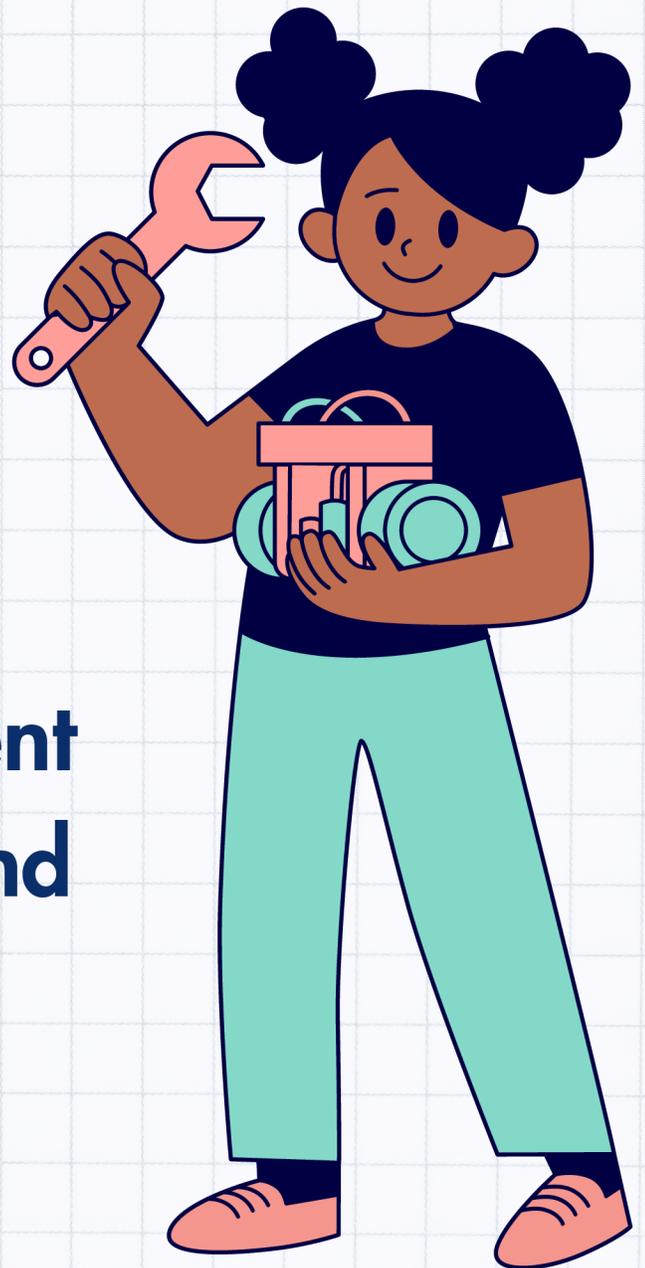


Wind the  
rubberband  
on the back  
axle and let  
go!

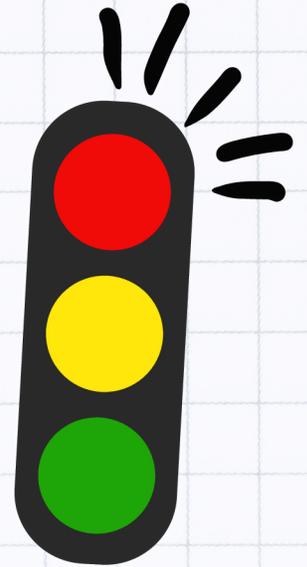


# Welcome to the Inventor's Corner!

**Challenge:**  
**What could you invent  
to help make cars and  
roads safer?**



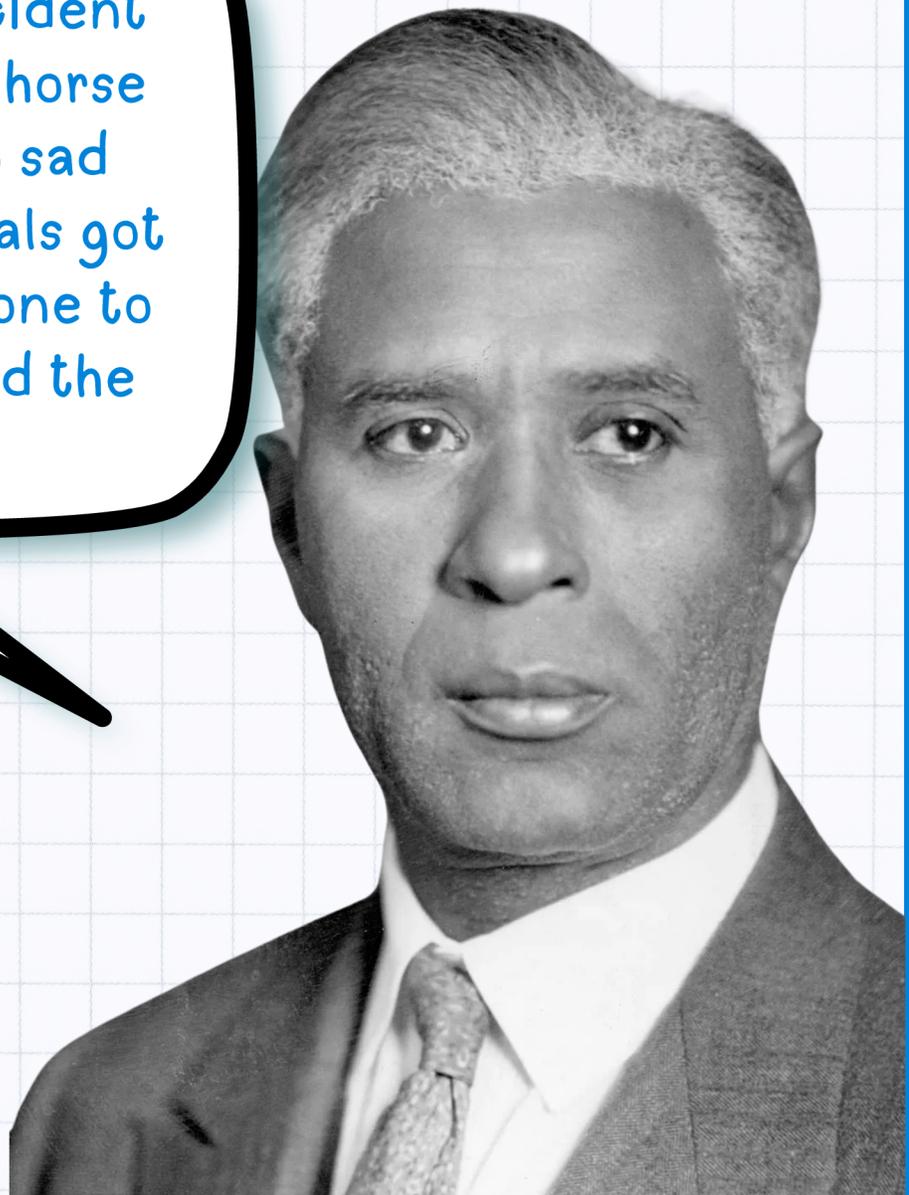
It's hard to believe, but in the first years after cars were invented, there were no stop lights, and there were many accidents.



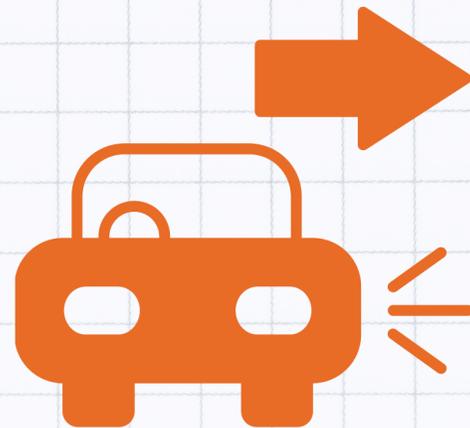
One day I saw an accident between a car and a horse and buggy. I felt so sad that people and animals got hurt. I wanted everyone to be safe, so I invented the stop light.

This was just one of Mr. Morgan's many inventions!

**GARRETT  
MORGAN**



Many people helped make cars and roads safer and easier to drive.



I helped drivers communicate with each other by creating blinking side lights to show which way the car is headed.

I also created a safety system to make sure vehicles stop. Some buses still use my Automatic Brake Safety System.

This was just one of Mr. Spike's many inventions!

**RICHARD SPIKE**

