



**October 2021 – June 2022,
2nd Tuesday of the Month, 10 AM – Noon**

Little learners get a head full of STEAM (science, technology, engineering, arts and math) with our contactless special programming. Designed for curious preschoolers, our inspired yet playful activities focus on building an innovative mindset through storytelling, artifact exploration and take-home STEAM activities.

PNC Tinkering for Tots: What are we learning about in November?

Habit of the month:



CHALLENGE THE RULES

Description: What is a new way we can do something? Does something always have to look a certain way or work a certain way? How can we change something to make it work better?

Story: What are we reading?

Title: *If I Built a Car*

Author: Chris Van Dusen

Why we picked this book: This is an engaging story about imagination and challenging the rules. Readers are encouraged to think of all the wonderful things they would include in a car without limits.

Questions you can ask your young learner:

What would YOU put in a car you created? Why would you want that in a car? Where would you want your car to take you?

Artifact of the day: Where are we going?

Name:

1993 Winged Sprint Car, 1989 Top Fuel Dragster, and 2017 NAVYA Mcity Autonom Driverless Shuttle



Location:

The Gallery by General Motors, Collecting Mobility exhibit

Short description: These three vehicles look at various ways you can challenge the rules by re-imagining what a vehicle looks like and what that helps it do. Today we will practice our skills of observation. What do we see on these vehicles that is different?

Questions you can ask your young learner:

What do you see that is different about the Sprint car? The dragster? Does the shuttle look different than a city bus or a van? What are the differences? What do you think it would be like to ride on the shuttle without a person driving it? What would be the best thing about a car that drives itself?

What to see next: See the other types of racing cars in *Driven to Win: Racing in America presented by General Motors*, and try some of the hands-on activities. Find the 2016 General Motors First-Generation Self-Driving Test Vehicle, and see what makes it look different from a regular car.

Take Home STEAM Activity: What are we doing?

Title: Cardboard Tube Race Car

Materials:

- 1 cardboard tube
- 4 cardboard circles
- Paint
- Paintbrush
- 4 paper brads
- Stickers

Take Home STEAM Activity: Cardboard Tube Race Car



Materials:

- 1 cardboard tube
- 4 cardboard circles
- Paint
- Paint brush
- 4 paper brads
- Stickers



1.

Directions:

1. Paint the cardboard tube your color choice and set aside to dry.

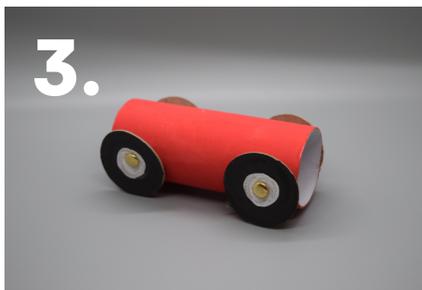
2. Paint the cardboard circles to look like wheels — black around the outside and white in the center.

3. Attach the wheels by putting one paper brad through the center of each wheel and a hole you punch in the tube.

4. Decorate with stickers.



2.



3.



4.

Coloring Sheet

