

*Dear Family,*

**In my class today** we learned about what makes a vehicle with wheels roll further and faster.

**Did You Know?**

- A ramp is a surface with an incline. All vehicles with wheels roll easily down ramps due to gravity. The height of a ramp affects how far a vehicle with wheels will go and how fast the vehicle will travel. For example, the higher the ramp, the faster and further a vehicle will go.
- Things roll easily if they have curved sides without sharp edges. Round or circular things (like balls and wheels) roll very easily. When circular or round things are on a hill or a slanted surface, they roll because of the force of gravity. Many transportation vehicles use ramps to travel on roads. Ramps are found on highways and allow cars to pass over other roads without crossing any other traffic on those roads.

**Ask Your Child:**

- What did you do with toy vehicles today?
- Why did some things roll further than others?
- How did you make the vehicles go further?
- Why did some things roll faster than others?
- What is a ramp? Can we make one together?

**Activities To Do With Your Child:**

- Does your child have any toys that have wheels? Use the toys to create your own experiments. Use pieces of sturdy cardboard or thin pieces of wood to create ramps for the toys. Use different length ramps for your experiments.
- Raise the ramps to different levels by placing blocks or books under one end of the ramp. With your child, experiment by rolling the toys down the ramps. Compare which toys travelled further or travelled faster. Compare the distance the toys travelled with the length of the ramps.

**Vocabulary To Use With Your Child:** roll, push, ramp, incline, further, vehicle