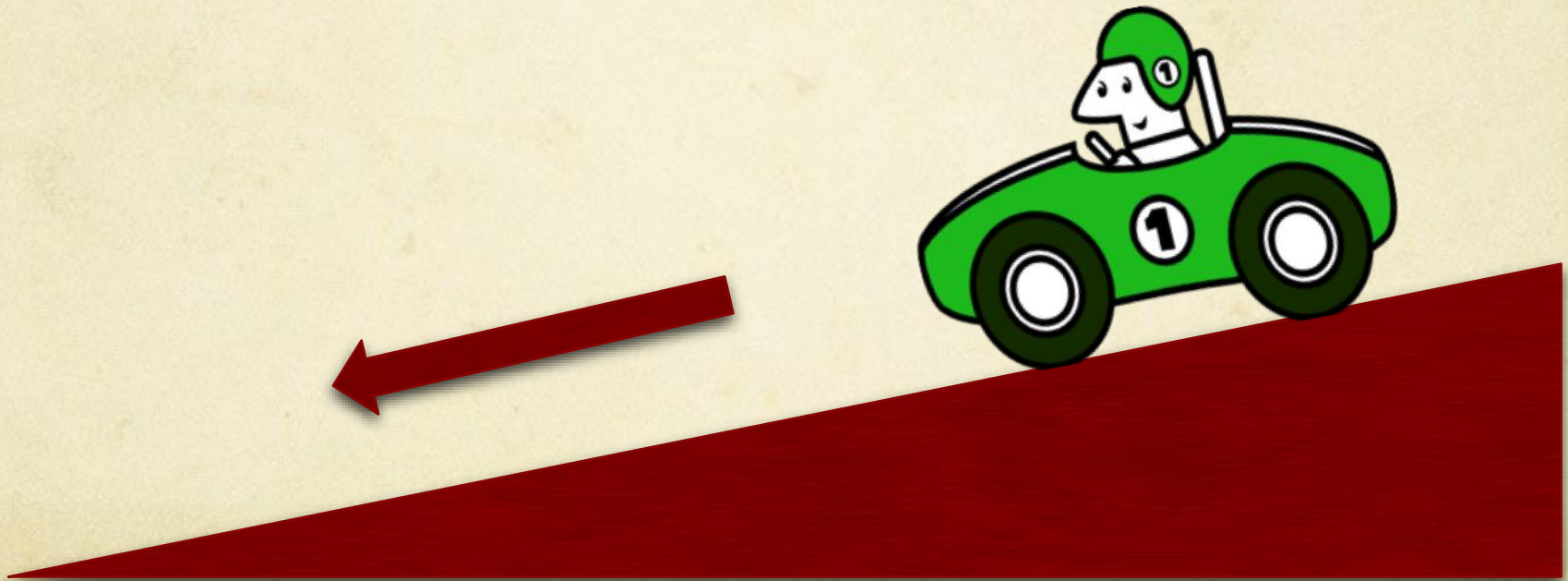


# Go Further?

Neel Joshi  
Pre-K, CCLC

# Question

- What can you do to make a car go further when rolling down a ramp?





# Hypothesis

- **Neel:** Increasing the **length** of the ramp will make the car go further.



- **Dad:** Increasing the **height** of the ramp will make the car go further.



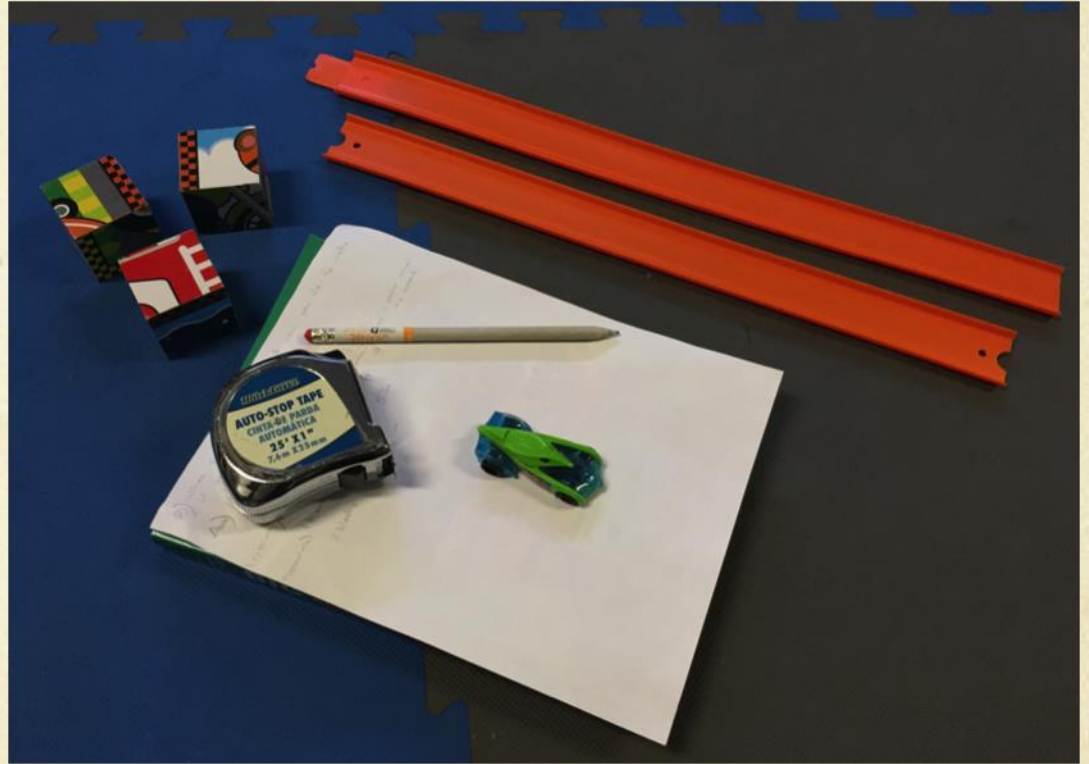
# Steps

- Create a ramp using the orange tracks and the blocks.
- Note down the number of blocks and tracks used in the test.
- Place the car on the top of the ramp.
- Release the car.
- Measure the distance from the end of the ramp to the car.
- Note down the distance travelled by the car.



# Material

- Race Car
- 2 Tracks
- 4 Blocks
- Measuring Tape
- Paper
- Pencil



# The Experiment





# The Experiment



# Observations

<b>BLOCKS (height)</b>	<b>TRACKS (length)</b>	<b>DISTANCE (travelled)</b>
1	1	1 FT 9 IN
1	2	0 FT 5 IN
2	1	4 FT 5 IN
2	2	3 FT 3 IN
3	1	6 FT 1 IN
3	2	6 FT 5 IN
4	1	5 FT 9 IN
4	2	8 FT 4 IN



# Analysis

- **Height:** The car kept going further until height of ramp was 3 blocks. It started going shorter distances after that.
- **Length:** The car kept going shorter distances upon increasing the length of the ramp. Height of the ramp was not changed.
- **Both:** The car kept going further when both the ramp length and height were increased at the same time.

The car went the farthest when height = 4 blocks & length = 2 tracks

# Conclusion

- You have to increase both, length and height of the ramp to make the car go further and further.





# Learning

- Concept of height in terms of number of blocks
- Concept of length in terms of number of tracks
- Concept of distance in terms of feet and inches
- Relation between height, length and distance traveled

# End Result

Certificate of  
completion

