**FORCES IN**

**TRANSPORTATION**

BREAKING DOWN THE PROJECT:

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| FORCES | TRANSPORTATION |
| PushPullGravityMotionMassFrictionMovementMatterInertia | Boat / ShipCar / RacecarMotorcyclePlane / JetHelicopterTrainBuses / Van / TrolleyJet packTankSubwaysSpace shuttle / RocketScooterBicycleSubmarineTruckSkateboard / HoverboardHot air balloonRoller skatesElevator / EscalatorGolf cart / Go cartWagonBlimpParade floatRollercoasters  |

EXAMPLE STORIES: (PHASE 1)

When I drive my dogs places (the vet, my mom and dad’s, Starbucks, Chick-fil-A, etc…) they love to sit in the passenger seat. They NOW have seatbelts in the back, but they didn’t used to have them! Ellie is about 54 pounds, and Beni is about 68 pounds. They are large dogs and they would squeeze themselves onto the passenger seat together. So, we would be driving and sometimes the car in front of us would brake quickly, so I also had to brake quickly. When this happened, gravity took over and pulled the dogs quickly to floor of the car.

One day I went to my favorite grocery store to get my favorite food, buffalo soy nuggets. It was a rainy day and I have to get on the highway to get to Earth Fare. So, on my way home, I’m getting off the highway at my exit to my house and I didn’t quite slow down enough. While I was turning onto my exit (which has a kind of sharp curve) I hydroplaned. When you hydroplane the rain (water) on the road gets in between the road and your tires. So, my tires didn’t have any friction with the road and they started to slide across the pavement. My car moved quickly in the opposite direction and I had to fix it! Luckily there was no one around.