

*Dear Sir Isaac Newton,*

*I have decided to write you a letter about thanking you for your three laws, and how I use them in my day-to-day life. I will also tell you why your laws are important and why they are still respected. Let's begin with the first law. In short the first law states that an object in motion stays in motion and an object at rest stays at rest. Let's pretend that a water bottle is resting upon a table. The water bottle will not move until a unequal force acts on it. This law is influential in day to day life! The earth is eternally orbiting the sun, which keeps us from burning to death. When people have a cup off coffee in the morning they are using the 1st law of motion. When there cup is sitting on a table no force is acting upon it, causing it to stay in place, but when you pick it up, your hand is the force causing a change in motion.*

*Let's transition into another one of your awe inspiring law's. The second law simply states that the acceleration of an object equals the net force acting on the object divided by the objects mass. Lets say I am using the same force to push a bus and a car. The car will have more acceleration than the bus, because the car has less mass. It is easier to push an empty box than a full one, because the full box has more mass than the empty box.*

*Last but not least, let's move on to your last law. The third law states that for every action there is an equal and opposite re-action. As you sit on your couch, your body acts on the couch with one force, and the couch reacts on your body with yet another force. As you row your boat, the oars are pushing the water backwards. therefore the water pushes your paddle making you move forward*

*All of your laws are still respected because everyone uses each law in there lives, wether your a baby or or an elder. If we use them we must learn how or why we use them right?*

*Your laws are very important to me and I'm glad that I learned them*

*Sincerely,*

*Delainie Irish*