**Force**

**Today in Science class, Mr. Smith taught us about force.**

**Things I learned:**

* **A force is an energy that causes an object to change shape or motion.**
* **A force is also a push or a pull.**
* **A force that is used on a car is your brake.**
* **Car crushers use 2400 pounds of pressure per square inch.**
* **It uses force on the car by changing its shape.**
* **Newton’s laws of motion:**
  + **An object in motion keeps moving unless an outside force does something to it.**
  + **An object at rest remains at rest unless an outside force does something to it.**
  + **Mass= total quantity of matter**
* **Isaac Newton figured out that white light is actually a blend of different colors.**
* **He discovered that you can separate them by friction.**
* **He figured out that you use a prism for this.**
* **He figured out that blue is the color that bends the most.**
* **He figured out that the reason we have a blue sky is that the light from the sun hits our atmosphere, and the atmosphere acts as a prism and the bent blue light bounces around.**
* **He figured out that the moon has gravity that pulls on the earth.**
* **He figured out that telescopes can be made with a curved mirror.**
* **He also invented calculus, which is a branch of math that can deal with more than three dimensions.**

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