**Inertia,**

**Terminal Velocity and,**

 **Converting from Kg to N**

 **Inertia: is an object’s resistance to any change in motion.**

 **The inertia is directly dependant on the mass of an object (more mass = more inertia).**

 **This is supported by Newton’s 1st Law of Motion: An object at rest will remain at rest until an outside force moves it. An object in motion will remain in motion until an outside force changes its motion.**

 **Terminal Velocity: Is the velocity of a falling object that stops accelerating due to friction (air resistance).**

 **How can you change an object’s terminal velocity?**

**Increase the friction.**

**Example: a person with a parachute compared to without (more friction = lower terminal velocity).**

 **You can convert Kg to Newtons by multiplying by Gravity.**

**Newtons = Kg x 9.8**