**Chapter 2 Study Guide**: **Laws of Motion**

* Be familiar with the terms force, contact force, noncontact force, unbalanced force, balanced force, net force, inertia, mass, gravity, friction, centripetal force, momentum, law of conservation of momentum, force pair, newton’s 3 laws of motion.
* Know the three types of friction and how we reduce friction.
* Be familiar with units for force, mass, and acceleration.
* Know how inertia affects an object going in a circle. (what type of path does the object want to take because of inertia)
* Make sure you understand that if an object applies an action force of 50N, the reaction force is 50N.
* Given an example, determine what object has more momentum.
* Given examples, determine the net force on an object.
* Give an example of Newton’s First Law of Motion.
* Name three examples of contact and noncontact forces.
* Given the equations, be able to calculate, force, mass, acceleration, and momentum.

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