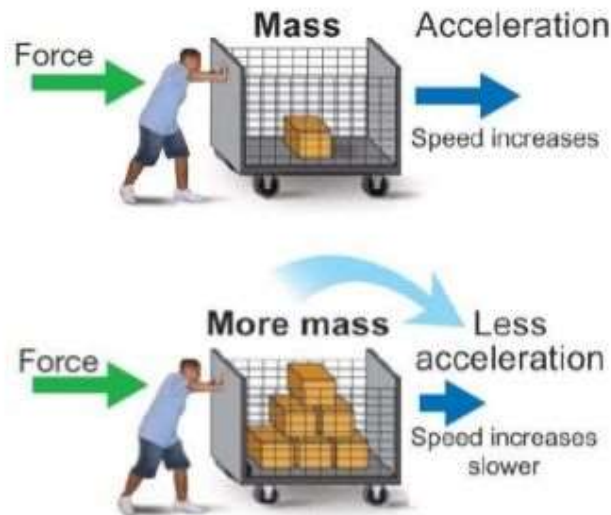


Newton's Second Law

- If the same force is applied to an object with greater mass, the object accelerates at a slower rate because mass adds inertia.



NEWTON' THIRD LAW OF MOTION

Newton's third law states that 'for every action, there is an equal and opposite reaction. They always act on two different bodies'.

If a body A applies a force F_A on a body B, then the body B reacts with force F_B on the body A, which is equal to F_A in magnitude, but opposite in direction.

That is, $F_B = -F_A$