Force - Push or a pull or twist on an object it is a vector quantity

Unbalanced Force cause an object to

- change speedChange shape
- Change direction

Type of force

Non-contact

- Gravitational force(weight)
- Electric force
- Magnetic force
- Friction

 Slow object
 - Stop object from moving
- Strong nuclear force

Contact force

- Support / reaction force
 - Push back on something
 Perpendicular to surface
- Buoyancy
- Thrust
- tension

Force always have equal opposite force

Newtons law

- 1. The object will remain at the rest or moving at constant velocity(not speed) unless acted by an unbalanced force (net force is not zero)

 2. F=ma a=Fnet/m
- 3. Every action force have equal and opposite force
 - a. If object a exerts force on object b, object exerts an equal but opposite force on A (shows the force is vector)

Air resistance

- Is collision with air particle which slow things down
 - o More air particle more air resistance more collision more slowdown

perpendiculer Support force

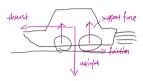
weight force

thrust fore = Fridin support: weight

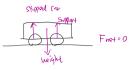
howsouth Fret = 0 vertical Fret = 0

Fnet = 0

accelerating



neight = support weight - support
weitical First = 0
thrust & fixtion
horizon to Fret & 0
First & 0 force is unbalanced. Fret = Thrust - friction



support = weight Roybe fore act on it, but fricton stop it, eg: pushing table.

nothrust usually as (a stop don't press油门