

Acceleration

Acceleration: a change in velocity (speed + direction)

3 Types of Acceleration

1. Positive Acceleration = an increase of speed over a given time
2. Negative Acceleration = a decrease of speed over a given time (deceleration)
3. Angular Acceleration = a change in direction over a given time

Act it out

Force

Force: a push or pull on an object

↳ Applying a force on an object can cause it to

- change shape
- move
- speed up/slow down
- stop
- change direction

} Depends on the
STRENGTH and
DIRECTION of the
force

- Balanced Forces = no movement, no change in motion
- Unbalanced Forces = change in the direction of the greatest force
- Net force = the combination of 2 or more forces