Overview of Semester

- Newton's Laws
  - ➔$\Sigma F = m a$
- Work-Energy
  - ➔$\Sigma F = m a$ multiply both sides by d
  - ➔$\Sigma W = \Delta KE$ Energy is "conserved"
  - ➔Useful when know Work done by forces
- Impulse-Momentum
  - ➔$\Sigma F = m a$ multiply both sides by Δt
  - ➔$\Sigma I = \Delta p$ Momentum is "conserved"
  - ➔Useful when know about EXTERNAL forces
  - ➔Works in each direction independently