

# CAIE Physics IGCSE

## Topic 1.6 - Momentum

(supplement)

Flashcards

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Give the equation for momentum,  
including units (supplement)



Give the equation for momentum, including units  
(supplement)

Momentum (kgm/s) = mass (kg) x velocity (m/s)



Give the equation for impulse, including units. (supplement)



Give the equation for impulse, including units.  
(supplement)

Impulse = force x time for which force acts =  $\Delta(mv)$

Where  $\Delta(mv)$  is the change in momentum.



What is the principle of conservation of momentum? (supplement)



What is the principle of conservation of momentum?  
(supplement)

Momentum is always conserved in an explosion/collision, so there is no net change in momentum.

Momentum before = momentum after (provided there are no external forces).

