GCSE Checklist – Forces 2: Newton's Laws (Combined Science)

	Got it?	Page(s)
Define the terms speed, velocity and acceleration.		178-182
Be able to calculate accelerations using: a = (v – u) / t		181
Define Newton's First Law in terms of a stationary object		194
Define Newton's First Law in terms of an object that is moving		194-195
Apply Newton's First Law to explain the motion of objects moving with uniform velocity and objects where the speed/velocity changes		194-195
Define Inertia		197
Define Newton's Second Law in words		196
Use $F = ma$; define all symbols and units		196
HT ONLY Define inertial mass		197
Required practical 19: Investigate the effect of varying the force on the acceleration on an object of constant mass; investigate the effect of varying mass of an object on the acceleration produced by a constant force		199-200
Define Newton's Third Law		201
Apply Newton's Third Law to examples of equilibrium situations		202