

Physics – Year 11 Useful Links

Forces

Key definitions	Definitions - Topic 5 Forces - AQA Physics GCSE
Non contact forces	Contact forces - Forces: Video playlist - BBC Bitesize
Resultant forces	GCSE Physics Revision "Resultant Forces"
Force interactions	Flashcards - Topic 5.1 Forces and their Interactions - AQA Physics GCSE - PMT
Big G little g Cargboard Gg?	The relationship between planet size and gravitational field strength - Forces: Video playlist - BBC Bitesize
Momentum	Conservation of momentum - Forces: Video playlist - BBC Bitesize
Work it	Flashcards - Topic 5.2 Work Done and Energy Transfers - AQA Physics GCSE - PMT
Vector diagrams	GCSE Physics Revision "Vector Diagrams" - YouTube
Stretch yourself	Flashcards - Topic 5.3 Forces and Elasticity - AQA Physics GCSE - PMT
Really stretch yourself	Conservation of momentum - Forces: Video playlist - BBC Bitesize
Escapology	Escaping from gravity - Forces: Video playlist - BBC Bitesize
My moment	Moments, levers and gears - Forces: Video playlist - BBC Bitesize
My perfect moment	Flashcards - Topic 5.4 Moments, Levers and Gears - AQA Physics GCSE - PMT
A moment like this	Turn the page.
Levers	Flashcards - Topic 5.4 Moments, Levers and Gears - AQA Physics GCSE - PMT
Gears	Moments, levers and gears - Forces: Video playlist - BBC Bitesize
$F=ma$	What is the relationship between force and acceleration? - Forces: Video playlist - BBC Bitesize
Newton III	Newton's third law - Forces: Video playlist - BBC Bitesize
$F=ma$ practical	GCSE Physics Revision "Required Practical 7: Acceleration"
Momentum	Flashcards - Topic 5.7 Momentum - AQA Physics GCSE - PMT
Pressure in a liquid	GCSE Physics Revision "Pressure in Fluids" (Triple) - YouTube

Magnetism and electromagnetism

Permanent and induced magnets	GCSE Physics Revision "Permanent and Induced Magnets"
Temporary magnets	Flashcards - Topic 7.1 Permanent and Induced Magnetism, Magnetic Forces and Fields - AQA Physics GCSE - PMT
Drawing field lines	How to detect and draw magnetic fields - Electrical circuits and electromagnetism: Video playlist - BBC Bitesize
Induction	Electromagnetism - Electrical circuits and electromagnetism: Video playlist - BBC Bitesize
Generation	The invention of the electricity generator - Electrical circuits and electromagnetism: Video playlist - BBC Bitesize
Electrical generation	The AC generator - Electrical circuits and electromagnetism: Video playlist - BBC Bitesize
Motor effect	Flashcards - Topic 7.2 The Motor Effect - AQA Physics GCSE - PMT
Uses of this motor effect	AI that helps you put the A in GPA Make the grade with Grammarly
Examples in both directions motor /generator	GCSE Physics Revision "Loudspeakers and Headphones" (Triple)

Induction and the national grid links	Flashcards - Topic 7.3 Induced Potential, Transformers and the National Grid - AQA Physics GCSE - PMT
Calculations of transformer coils	GCSE Physics Revision "Transformer Calculations" (Triple) - YouTube

Year 11 Physics Spelling List

Key Word	Definition
acceleration	Rate of change of velocity
column	A vertical void
constant	A fixed value
density	Mass per unit volume
displacement	Change of position
friction	Resistive contact force
generate	To produce
momentum	Product of mass and velocity
motor	To rotate
parallelogram	A quadrilateral
pressure	Force applied over an area
proportional	One variable changing with another
relay	To transfer
resultant	Final equivalent
scalar	Magnitude of quantity
solenoid	Coil of wire
terminal	final
vector	Quantity with magnitude and direction
velocity	Rate of change of displacement
weight	Force due to gravitational acceleration