

Key threshold concept	Revision guide reference	Additional resources
SI units, standard form notation, prefixes, (mega, nano etc.) basic trigonometry (sin, cos etc.)	Edexcel Higher Combined Science Revision guide p.8 Edexcel Triple Physics revision guide p.9	https://www.youtube.com/watch?v=7i7OIEJ-n5c https://isaacphysics.org/concepts/cm_trig1 https://isaacphysics.org/pages/phys_book_gcse_syll_map A-Level Physics: Essential Maths Skills (CGP A-Level Physics) textbook Grade 9-1 GCSE Science: Essential Maths Skills - Study & Practice (CGP GCSE Science 9-1 Revision) textbook SENECA
Recall examples of vectors and scalars.	Edexcel Higher Combined Science Revision guide p.145 Edexcel Triple Physics revision guide p.12	https://www.youtube.com/watch?v=60oM8QgOdqI https://isaacphysics.org/gameboards#phys_book_gcse_ch_1_4 SENECA "Mastering Essential GCSE Physics" available from https://www.isaacbooks.org/single.php https://isaacphysics.org/
Resolving forces	Combined Science Revision guide p.182 Edexcel Triple Physics revision guide p.68	https://www.youtube.com/watch?v=8RI2_gJy0L0 https://www.youtube.com/watch?v=PG8wV022Eu0

Analyse distance – time and velocity – time graphs	Edexcel Higher Combined Science Revision guide p.147-148 Edexcel Triple Physics revision guide p.14-15	"Mastering Essential GCSE Physics" available from https://www.isaacbooks.org/single.php https://www.cyberphysics.co.uk/topics/forces/dynamics_vt.htm https://www.youtube.com/watch?v=p30tWWEIxU https://isaacphysics.org/
Use speed and acceleration equations fluently	Edexcel Higher Combined Science Revision guide p.145-146 Edexcel Triple Physics revision guide p.12-13	23 equations app https://www.bbc.co.uk/bitesize/guides/z2b9hv4/revision/1 https://isaacphysics.org/
Newton's Laws of motion	Edexcel Higher Combined Science Revision guide p.149, 151-152. Edexcel Triple Physics revision guide p.16 and 19.	"Mastering Essential GCSE Physics" available from https://www.isaacbooks.org/single.php https://www.youtube.com/watch?v=kKKM8Y-u7ds https://www.youtube.com/watch?v=W3VbonFNcw https://www.youtube.com/watch?v=JGO_zDWmkvk https://isaacphysics.org/

Momentum	Edexcel Higher Combined Science Revision guide p.153 Edexcel Triple Physics revision guide p.20-21	https://www.youtube.com/watch?v=xrK4LCL8oZY https://www.youtube.com/watch?v=uQ1UMHXyFrM
Moments	Edexcel Triple Physics revision guide p.69 https://www.youtube.com/watch?v=5kJBi2_BAPs	https://www.youtube.com/watch?v=uwzhXL0vp1w https://www.youtube.com/watch?v=RW2N-oPcM9g https://www.youtube.com/watch?v=NueuPY2Yqq4
Conservation of energy and charge laws in circuits	Edexcel Higher Combined Science Revision guide p.157 and 188. Edexcel Triple Physics revision guide p.25 and 71	https://isaacphysics.org/ https://www.khanacademy.org/science/ap-physics-1/ap-circuits-topic/kirchhoffs-junction-rule/v/ee-kirchhoffs-current-law https://www.youtube.com/watch?v=A-QgGXbDyR0
Ohm's Law Properties of potential difference, current and resistance in series and parallel circuits	Edexcel Higher Combined Science Revision guide p.184,188-189 Edexcel Triple Physics revision guide p.71,75-76	https://www.youtube.com/watch?v=vJRXozSVTI8 https://www.youtube.com/watch?v=x2EuYqj_OUk "Mastering Essential GCSE Physics" available from https://www.isaacbooks.org/single.php

Behaviour of elastic and inelastic materials (including Hooke's law)	Edexcel Higher Combined Science Revision guide p.205-206 Edexcel Triple Physics revision guide p.99-100	https://isaacphysics.org/ https://www.youtube.com/watch?v=ACDBJ8rsQDo https://www.cyberphysics.co.uk/topics/forces/hooke.htm
Kinetic theory of solids, liquids and gases (including density)	Edexcel Higher Combined Science Revision guide p.200-201 Edexcel Triple Physics revision guide p.93-94, 97.	https://www.youtube.com/watch?v=OTksau0_Vol https://www.youtube.com/watch?v=-EZmXVOSa20 https://www.youtube.com/watch?v=UukRggzk-KE
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Properties of longitudinal and transverse waves	Edexcel Higher Combined Science Revision guide p.164 Edexcel Triple Physics revision guide p.32	https://isaacphysics.org/ https://www.youtube.com/watch?v=0f5iYCNCnow https://www.youtube.com/watch?v=pqJzn8Y1HFw
Behaviour of light at the boundary (including: reflection, refraction, diffraction, interference, total internal reflection, converging and diverging lenses)	Edexcel Higher Combined Science Revision guide p.166-168 Edexcel Triple Physics revision guide p.38-39,41-42 https://www.youtube.com/watch?v=KNUcS4NagDw https://www.bbc.co.uk/bitesize/guides/z99kkqt/revision/1 https://www.bbc.co.uk/bitesize/guides/z8dp34j/revision/3	https://www.youtube.com/watch?v=8K6gOST8pZk https://www.youtube.com/watch?v=ypF037wlyZg https://www.youtube.com/watch?v=OGqAM2Mykng

