Here's a list of website autolinks for Edexcel GCSE Combined Science topics, focusing on official and highly reputable revision resources:

BBC Bytesize – Physics

* **Topic 1: Key Concepts of Physics -** [SI units - Key concepts in physics - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z3dt3k7/revision/1)
	+ Units, quantities, scalars, and vectors
	+ Estimating and significant figures
* **Topic 2: Motion and Forces -** [Scalar quantities - Scalar and vector quantities - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zprqpbk/revision/1)
	+ Motion (speed, velocity, acceleration, distance-time graphs, velocity-time graphs)
	+ Forces (types of forces, Newton's Laws of Motion, weight, mass, gravity, resultant forces)
	+ Momentum
	+ Stopping distances
* **Topic 3: Conservation of Energy -** [Types of energy store - Changes in energy - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z9638mn/revision/1)
	+ Energy stores and transfers (kinetic, gravitational potential, elastic potential, thermal, chemical, sound, light, electrical, nuclear)
	+ Conservation of energy principle
	+ Efficiency and power
	+ Energy resources
* **Topic 4: Waves -** [Types of waves - Properties of waves - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zs86v9q/revision/1)
	+ Properties of waves (amplitude, wavelength, frequency, wave speed)
	+ Transverse and longitudinal waves
	+ Wave interactions (reflection, refraction, diffraction)
	+ Sound waves (properties, uses)
* **Topic 5: Light and the Electromagnetic Spectrum -** [Reflection of light - Light waves - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z2bwtv4/revision/1)
	+ Reflection and refraction of light
	+ Lenses (converging, diverging, image formation)
	+ The electromagnetic spectrum (types of EM waves, properties, uses, dangers)
* **Topic 6: Radioactivity -** [Structure of the atom - Atoms - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zctbdxs/revision/1)
	+ Atomic structure (protons, neutrons, electrons, isotopes)
	+ Radioactive decay (alpha, beta, gamma radiation, properties, uses, dangers)
	+ Half-life
	+ Nuclear fission and fusion
* **Topic 7: Astronomy -** [Structure of the Solar System - The Solar System - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zg638mn/revision/1)
	+ The Solar System
	+ Life cycle of stars
	+ Big Bang theory and evidence (red-shift, CMBR)
* **Topic 8: Energy – Forces Doing Work -**[Energy transfers - Changes in energy - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/ztkxy4j/revision/1)
	+ Work done
	+ Power
	+ Kinetic energy and gravitational potential energy calculations
* **Topic 9: Forces and their Effects -** [Contact forces - Forces - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z3xvk2p/revision/1)
	+ Moments and levers
	+ Centre of mass
	+ Pressure in fluids
* **Topic 10: Electricity and Circuits -** [Electric circuit symbols - Electric circuits - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z8ykmsg/revision/1)
	+ Electrical charge and current
	+ Potential difference (voltage) and resistance (Ohm's Law)
	+ Series and parallel circuits
	+ Mains electricity (AC, DC, plugs, fuses, earthing)
	+ Electrical power and energy transfer
* **Topic 11: Static Electricity -** [Electrical charges - Static electricity - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zx9mfcw/revision/1)
	+ Charge transfer and static phenomena
	+ Uses and hazards of static electricity
* **Topic 12: Magnetism and the Motor Effect -** [Magnetic poles - Magnets and magnetic fields - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zsqnrwx/revision/1)
	+ Magnets and magnetic fields
	+ Electromagnets
	+ The motor effect (force on a current-carrying wire in a magnetic field)
* **Topic 13: Electromagnetic Induction -** [Potential difference - Electromagnetic induction - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z9f92nb/revision/1)
	+ Producing a current (generators)
	+ Transformers (step-up, step-down)
* **Topic 14: Particle Model -** [Density - Density of materials - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/z242srd/revision/1)
	+ Density
	+ States of matter and particle model
	+ Internal energy, specific heat capacity, latent heat
	+ Pressure in gases
* **Topic 15: Forces and Matter -** [Deformation - Forces and elasticity - Edexcel - GCSE Physics (Single Science) Revision - Edexcel - BBC Bitesize](https://www.bbc.co.uk/bitesize/guides/zgprjty/revision/1)
	+ Forces on springs (Hooke's Law)
	+ Elastic and inelastic deformation

**Official Edexcel / Pearson Resources:**

* **Edexcel GCSE Sciences (2016) Overview Page (starting point for all Edexcel Science GCSEs):** <https://qualifications.pearson.com/en/qualifications/edexcel-gcses/sciences-2016.html>
	+ From this page, you should be able to navigate to the specific Combined Science qualification, which will lead you to the specification, past papers, mark schemes, and examiner reports. Look for "Combined Science" under the GCSE section.
* **Pearson Schools and FE Colleges - Edexcel GCSE (9-1) Combined Science Support Edition:** <https://www.pearsonschoolsandfecolleges.co.uk/secondary/subjects/science/edexcel-gcse-9-1-combined-science-support-edition>
	+ This page offers resources, including course guides and planners, which can be useful for understanding the curriculum.
* **Pearson Free Online GCSE Science Lessons:** <https://www.pearson.com/en-gb/schools/subject-resources/science/tried-and-tested/support-from-pearson/free-online-gcse-science-lessons.html>
	+ While not specific to Combined Science only, these lessons cover core science topics relevant to the course.

**Reputable Third-Party Revision Websites:**

These sites often break down the specification into manageable topics and offer revision notes, practice questions, and sometimes videos.

* **Save My Exams - Edexcel GCSE Combined Science:** <https://www.savemyexams.com/gcse/science/edexcel/combined-science/>
	+ This is a highly popular resource with revision notes, exam questions, and flashcards organised by topic. You'll find specific sections for Biology, Chemistry, and Physics within Combined Science.
* **Revisely - GCSE Edexcel Combined Science Revision:** <https://www.revisely.com/gcse/combined-science/edexcel>
	+ Offers revision materials specifically for Edexcel GCSE Combined Science.
* **Cognito (Free Maths & Science Revision):** <https://cognitoedu.org/>
	+ Cognito provides video lessons, notes, and quizzes for various GCSE subjects, including Edexcel Combined Science. You'll need to navigate to the Edexcel Combined Science section.
* **Study Rocket - Free GCSE Biology (Combined Science) Edexcel Revision Content:** <https://studyrocket.co.uk/revision/gcse-biology-combined-science-edexcel>
	+ While the URL specifically mentions "Biology (Combined Science)", Study Rocket generally covers other aspects of Combined Science as well.