

GCSE Combined Science (Trilogy) and Separate Sciences (Triple)

Core textbooks

Combined Science (Trilogy)

- CGP Grade 9-1 GCSE Combined Science for AQA
- OUP AQA GCSE Combined Science

Separate Sciences (Triple)

- CGP Grade 9-1 GCSE Biology for AQA
- CGP Grade 9-1 GCSE Chemistry for AQA
- CGP Grade 9-1 GCSE Physics for AQA
- OUP AQA GCSE Physics/Chemistry/Biology

Revision Guides

Combined Science (Trilogy)

- CGP GCSE Combined Science AQA Revision guide
- Oxford Revise Combined Science: Trilogy Revision and Exam Practice

Separate Sciences (Triple)

- CGP GCSE Physics/Biology/Chemistry AQA Revision guide
- Oxford Revise Biology/Chemistry/Physics Revision and Exam Practice


Further resources to aid with GCSE curriculum

- Recorded lessons on Oak - <https://continuityoak.org.uk/Lessons>
- Revision materials and past papers on PMT - <https://www.physicsandmathstutor.com/>
- Youtube channels
 - <https://www.youtube.com/@Freesciencelessons> - good revision - even if he is a little robotic.
 - <https://www.youtube.com/@AmoebaSisters> - a little more light-hearted with better (albeit sometimes silly) animations. Mostly for Biology.



Take it further

To extend and develop your subject knowledge and understanding do look at resources outside of the GCSE curriculum. The resources below are not an exhaustive list. Please do discuss with the Science department anything in particular that you are interested in finding out about and we can point you in the right direction.

Topic	Read	Listen	Watch	Explore and visit
Forces	<p>The Expanse (Novel Series). Science future</p> 	<p>The Infinite Monkey Cage episode “Exoplanets” https://www.bbc.co.uk/programmes/p0dcn51y</p>	<p>(Completing an Egg Drop from Space – Mark Rober) https://www.youtube.com/watch?v=BYVZh5kqaFg Listen to this podcast on the mystery of gravity. https://www.brainson.org/episode/2015/01/09/the-mystery-of-gravity</p>	<p>Visit the mattress factory in Yorkshire and apply your understanding of Hooke’s Law!</p>
Energy	<p>Read this journal about getting energy from our waste – can we create a greener environment to live in? https://www.sciencejournalforkids.org/articles/waste-to-energy-how-can-we-get-the-most-from-our-waste/</p>	<p>Listen to the following podcast about heat transfer: Energy: Stop Faking It! Energy, Heat, and Heat Transfer: Thermal https://my.nsta.org/resource/11525/podcast-energy-stop-faking-it-energy-heat-and-heat-transfer-thermal-energy Watch The Fascinating Truth About Energy With Professor Jim Al-Khalili https://www.youtube.com/watch?v=aeaQpuYPsy8</p>	<p>(How Cell Service Actually Works – Wendover Productions) https://www.youtube.com/watch?v=0faCad2kKeg (British Plugs are Better than All Other Plugs, and Here’s Why – Tom Scott) https://www.youtube.com/watch?v=UEfP1OKKz_Q (How Australia’s Most Remote Phone Booths Work – Julian O’Shea) https://www.youtube.com/watch?v=dU7PBXYmyXg Shock and Awe – BBC Horizons https://www.youtube.com/watch?v=Gtp51eZkwol</p>	<p>Investigate the forces acting on a skateboarder https://phet.colorado.edu/sims/html/energy-skate-park/latest/energy-skate-park_en.html</p>

Matter	<p>A brief history of nearly everything</p>  <p>Particle Physics – Brick by brick</p> 	<p>Listen to Melvyn Bragg and guests discuss the science of matter and the states in which it can exist on BBC4. https://www.bbc.co.uk/programmes/b03zdbr4 Read this journal about how we can make water safe to drink. https://www.sciencejournalforkids.org/articles/heavy-metal-pollution-how-can-we-make-water-safe-to-drink/</p>	<p>(World’s Lightest Solid! – Veritasium) https://www.youtube.com/watch?v=AeJ9q45PfD0 (Let’s Travel to the Most Extreme Place in the Universe – Kurzgesagt – In A Nutshell) https://www.youtube.com/watch?v=FfWtlaDtfYk (All About Mercury, the Liquid Metal – NileRed) https://www.youtube.com/watch?v=ZiWlthrtneU Watch the TedEd video on ‘Solid, liquid, gas and...plasma?’ by Michael Murillo https://ed.ted.com/lessons/solid-liquid-gas-and-plasma-michael-murillo Watch the TedEd video on ‘how do we separate the seemingly inseparable’ by Iddo Magen. https://www.youtube.com/watch?v=q8Ent5CXhfy Watch this video that investigates the periodic table to life. https://www.youtube.com/watch?v=kqe9tEcZkno</p>	<p>The Science Museum – London Visit a Chemistry exhibition at the Science Museum https://www.sciencemuseum.org.uk/objects-and-stories/chemistry</p>
Organisms	<p>Spirals in Time by Helen Scales (Speak to Mr Archer to borrow)</p> 	<p>Small Screen Science https://podcasts.apple.com/gb/podcast/small-screen-science/id1511181067 Listen to ‘The Science of Your Favourite Foods’ with Rob Dunn https://radiopublic.com/tumble-science-podcast-for-kids-G4wko8/s1!ef666 The Poop Collector with Lawrence David https://radiopublic.com/tumble-science-podcast-for-kids-G4wko8/s1!02d02</p>	<p>Watch ‘The Hidden Kingdom’ The Story of the biological cell, where Adam Rutherford explores how centuries of scientific and religious dogma were overturned by the discovery of the cell. https://www.bbc.co.uk/programmes/b00m425d Watch a TedEd Talk about the brain https://www.ted.com/playlists/576/fascinating_ted_ed_lessons_about_the_brain</p>	<p>Find out what creatures have been spotted in your local area using the NBN Atlas https://records.nbnatlas.org/explore/your-area Use a dichotomous key to find out what type of insects you have seen/caught https://www.amentsoc.org/insects/what-bug-is-this/adult-key.html The Sea Life Centre – Various Take a visit to The Body Worlds in London https://bodyworlds.com/</p>
Genes	<p>The Selfish Gene</p> 	<p>Unnatural selection - Netflix series about genetic engineering. https://www.netflix.com/title/80208910</p>	<p>(Why 90% of Asians are Lactose Intolerant – Half As Interesting) https://www.youtube.com/watch?v=jrhVfwPIB0A Unnatural selection - Netflix series about genetic engineering. https://www.netflix.com/title/80208910 Join DNA Dan on his Genetics and Genomics podcast https://www.scuhs.edu/announcements/introducing-dna-dan-a-genetics-and-genomics-podcast/</p>	<p>The Natural History Museum – London Visit the Science Museum and learn about epidemics https://www.sciencemuseum.org.uk/objects-and-stories/epidemics</p>