

Subject	KS5	
Biology	<p>Books: The Immortal Life of Henrietta Lacks by Rebecca Skloot Missing Microbes by Martin J Blaser Anything by Richard Dawkins, Steven Rose or Steve Jones The Wellcome Trust 'Big Picture'</p> <p>Task and Activity: Find out about science and technology companies in the area and what they do. Write to them and see if you can get some work experience. Go to the Wellcome Trust Genome Campus web page http://www.sanger.ac.uk for news on the latest advances in genetics or Visit learn.genetics.utah.edu/.</p> <p>There are lots of activities to teach you about genes and DNA</p>	
Chemistry	<p>Magazines: 'New Scientist', 'Focus', 'Catalyst', 'Chemistry Review' Books: 'The Chemistry Book' – Derek Lowe, 'The Periodic Table' - Eric Scerri Podcasts: 'How Stuff Works', "The Naked" TV: 'Chemistry: A Volatile History' Blogs: Science pages on the BBC website, 'Compoundchem.org'. Work Experience: Find out about chemical and pharmacological companies in the area and what they do. Write to them and see if you can get some work experience. Research: Find out about sp bond hybridisation and how it happens, What is crystallography and what does it tell us about the structure of ionic crystals.</p>	
Drama	<p>The best thing to enhance your knowledge and understanding of Drama and Theatre is to go and see a live show. You don't have to spend lots of money on a ticket to see a performance in London; Norden Farm, The Wycombe Swan, Bracknell Arts Centre all have good quality theatre on .</p> <p>Summer Work: Watch as many pieces of theatre as you can. Write a review on one of the pieces which you felt communicated most effectively to the audience. Core texts: Machinal, Sophie Tredwell (NHB ISBN: 978-0-413-77070-7) Accidental Death of an Anarchist, Dario Fo (Methuen ISBN: 978-0-413-15610-5) The Curious Incident of the Dog in the Night-Time, Mark Haddon (Bloomsbury, ISBN: 978-1-4081-7335-0) Wider reading and research: Drama and Theatre Studies at AS and A Level by Jonathan Neelands. Warwick Dobson. Published by Hodder & Stoughton (Jun 2000); ISBN: 0340758600</p> <p>The Articulate Body: The Physical Training of the Actor by Anne Dennis. Published by Nick Hern Books; new edition (31 Jul 2002); ISBN: 978-1854596833</p>	
English	<p>Reading: Jane Eyre – Charlotte Bronte. White Teeth – Zadie Smith Midnight's Children – Salman Rushdie Great Expectations – Charles Dickens Gulliver's Travels – Jonathan Swift Robinson Crusoe – Daniel Defoe Frankenstein – Mary Shelly The Picture of Dorian Gray – Oscar Wilde</p> <p>Poetry: Seamus Heaney, Carol Ann Duffy, Sylvia Plath, Philip Larkin, Ted Hughes, William Blake, Samuel Taylor Coleridge, Lord Byron, Imtiaz Dharker, Grace Nichols, John Keats, Maya Angelou</p>	<p>Competitions: www.creativewritingink.co.uk/writing-competitions/ www.dystopianstories.com/writing-competitions-contests/ Jacqueline Wilson Creative Writing Competition 2017 www.penguin.co.uk/puffin/articles/competitions/jacqueline-wilson-creative-writing-prize-2017/</p>

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History	<p>Edexcel A'Level:</p> <p>Peter Browning, <i>The Changing Nature of Warfare</i> (Cambridge University Press, 2002)</p> <p>Alan Farmer, <i>The Experience of Warfare in Britain: Crimea, Boer and First World War 1854–1929</i> (Hodder, 2011) Rosemary Rees and Geoff Stewart, <i>The Experience of Warfare in Britain 1854–1929</i> (Pearson, 2008) Neil Stewart, <i>Access to History Themes: The Changing Nature of Warfare, 1700–1945</i> (Hodder, 2002). Gregory Fremont-Barnes, <i>The French Revolutionary Wars</i> (Routledge, 2013). Ben Wilson, <i>Empire of the Deep: The Rise and Fall of the British Navy</i> (Weidenfeld & Nicolson, 2013)</p> <p>Spencer Jones, <i>From Boer War to World War: Tactical Reform of the British Army, 1902–1914</i> (University of Oklahoma Press, 2013)</p> <p>Orlando Figes, <i>Crimea</i> (Penguin, 2011)</p>
Maths	<p>Books: Alice in Numberland- John Baylis and Rod Haggarty</p> <p>Fermat's Last Theorem - Simon Singh.</p> <p>How to Think Like a Mathematician: A Comparison to Undergraduate Mathematics - Kevin Houston</p> <p>Websites:</p> <p>www.mathsgenie.co.uk/alevel.html</p> <p>www.khanacademy.org</p> <p>Other</p> <p>Film: The Imitation Game (12)</p> <p>The Story of Maths—Marcus du Sautoy</p>
Physical Education	<p><i>Survival of the fittest: understanding peak physical performance</i> - Mike Stroud</p> <p><i>The Sports Gene : Talent , Practice and the truth about success</i> - David Epstein</p> <p><i>Bounce : The myth of talent and the power of Practice</i> - Matthew Syed</p> <p><i>Natural Born Heroes : The lost Secrets of strength and Endurance</i> - Christopher Mcdougall</p> <p><i>Born to Run : The Hidden tribe, the ultra runners and the greatest race the world has never seen</i> - Christopher Mcdougall</p> <p><i>The Chimp Paradox : The mind management programme to help you achieve success happiness and confidence</i> - Prof Steve Peters</p> <p><i>Winning!</i> - Clive Woodward</p> <p><i>Feet in the clouds : a tale of Fell-running and obsession</i> - Richard Askwith</p> <p><i>Mohammed Ali : Life and Times</i> - Thomas Hauser</p> <p><i>Cycle of Lies : The fall of Lance Armstrong</i> - Julia Macur</p> <p><i>Run, Swim, Throw, Cheat : The science behind drugs in sport</i> - Chris Cooper</p> <p><i>Eddie Hapgood Football Ambassador—Eddie Hapgood</i></p> <p><i>Sports History : A practical guide</i> - Prof Martin Polley</p> <p><i>Moving the goalposts</i> - Prof Martin Polley</p> <p><i>The Psychology of Winners</i> - Dr. Dennis Waitley</p> <p><i>Sport, Culture and the media: the unruly trinity</i> - David Rowe</p> <p><i>Sports Culture</i> - Ellis Cashmore</p> <p><i>The Changing Politics of Sport</i> - Lincoln Allison</p> <p><i>Are Reshaping Global Politics and Culture-</i> Andrei Markovits and Lars Rensmann</p> <p><i>Complete Guide to Sports Nutrition—Bean</i></p> <p><i>Periodisation Training for Sports</i> - Bompa & Carrera</p> <p><i>Sport and Exercise Science: An Introduction</i> - Griffin and Watkins</p>

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Physics	<p>Magazines: "New Scientist", "Focus", "Physics World", "Physics Today", "Physics Review" YouTube: A level Physics online – "How to guarantee an A at A level" and any other topic area. Anything by Neil DeGrasse Tyson eg "Neil DeGrasse Tyson's lecture about Astronomy Lawrence Krauss eg Cosmic connections, the universe and you. Brian Cox. "The Royal Society Lectures", "In Our Books: "The Grand Design" by Stephen Hawking, Thinking Physics is Gedanken Physics by Lewis Carroll Epstein The Physics of Star Trek by Lawrence Krauss Anything by Simon Singh, Brian Cox & Jeff Foreshaw, "Flatland" by Edwin Abbott, "The Elegant Universe" by Brian Greene Task/Activity: Finish PAG 12 Visit CERN... or more locally visit the Rutherford Appleton Lab in Oxford. Attend the open lectures at Oxford University, Royal Holloway and Reading University Register with Isaac Physics thermometer, and critically compare their action.</p>	
Modern Foreign Languages	<p>Watch a film in another language. Change your phone or social media into a different language. Download the Duolingo App. Read articles online in a foreign language. Listen to News In Slow. Read <i>La Place (1992)</i> by Annie Ernaux</p>	
Music	<p>Learn to read notation Learn a new instrument, or sing (ukulele or recorder are very cheap from amazon) Investigate an era or genre of Music and write a report. They will need to read some musicology books – ask your librarian for some titles – to get the idea of how formal it needs to be. Practice writing about genres of Music that interest you. Keep a listening blog to increase and broaden your listening.</p>	
	<p>Magazines: Psychology Review The Psychologist Psychology Today Books: Psychology for Dummies by Adam Cash (does exactly what it says, amusing at times) Classic Case Studies in Psychology by Geoff Rolls (a collection of most prominent studies in psychology) Influence: The Psychology of Persuasion by Robert B Cialdini (world best-seller; highly recommended) Psychology Frontiers and Applications by Michael W Passer and Ronald E Smith (uni textbook where you will find all psychological theories in detail) The Lucifer Effect: How Good People Turn Evil by P Zimbardo (Zimbardo's account on psychology of evil based on a number of his experiments) Brain Matters: Adventures of a Brain Surgeon by Katrina S Firliek (biographical novel of a neurosurgeon; good holiday read, not too heavy</p>	<p>Magazines: National Geographic, Geographical, Geography Review, Geofile Films/ Documentaries: Food Inc. Three Kings (1999)- a film based on an attempt to control Kuwait's' oil fields. Flood (2007)- a film about the technology in saving London! Pompeii (2014) San Andreas (2014) The Impossible (2012) Global Flooding over the next 100 years – National Geographic (2015) Extreme Engineering: Venice Flood Gates (2004) The Way Home (2002) Capitalism: A Love Story (2009) Bombay Calling (2006) The War to Live in London: Regeneration</p>

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Geography	<p>KS4 Key topics: Landscapes and Physical Processes, Rural-Urban Links, Coasts, Weather, Climate and Ecosystems, Environmental Challenges.</p> <p>Collapse: How societies choose to fail or survive, Penguin, Diamond, J (2011) The New Rulers of the World, John Pilger Dead Aid: Why aid is not working and how there is another way for Africa, Dambisa Moyo (2010) Fast Food Nation: What the All American Meal is Doing to the World, Eric Schlosser (2002) The Great Divergence: China, Europe and the Making of the Modern World Economy, Pomeranz, K. (2000) The Bottom Billion: Why the poorest countries are failing and what can be done about it, Oxford University Press, Collier, P (2008) This Changes Everything: Capitalism vs. the Climate, Penguin. Klein, N (2015) No Logo, N Klein (1999) A Globalizing world? Culture, Economics, Politics, Held, D. (2004) Geographies of Globalization, Murray, W.E. (2006) Poverty and Development into the 21st Century, Allen, T. and Thomas, A. (2000) Making Development Geography, Lawson, V. (2007) City Rebranding: Theory and Cases, Keith Dinnie (2010) Richter 10, Arthur C Clarke & Mike McQuay (1996) Natural Disasters, David Alexander (1993) Krakatoa: The Day the World Exploded: August 27, 1883, Simon Winchester (2004) A Crack in the Edge of the World: The Great American Earthquake of 1906, Simon Winchester (2006) Earth – The Power of the Planet, Ian Stewart & John Lynch (2007) Tsunami, Tibballs, G. Coastal Flooding impacts and adaptation measures for Bangladesh, Saquib Ahmad Khan and Ali Hossain (2012) Coasts and Coastal Management, Hill, M. An Inconvenient Truth, Al Gore (2006) Six Degrees: Our Future on a Hotter Planet, Mark Lynas (2008) Water A Turbulent History, Stephen Halliday (2004) Rivers and Water Management, Nagle, G. (Water Cycle & Security)</p>