



Select one of the books from the suggested reading list.

Submit a 250 word review of this book to stepup@new.ox.ac.uk by Friday December 2nd.

The winning review will win 15 books for their school library (one book from each subject-area).

Please see below for the Reading List;

Archaeology & Anthropology:

Title	Author	Year Published	Publisher
Guns, Germs and Steel	Diamond, J	1997	London: Random House
Collapse: How Societies Choose to Fail or Survive	Diamond, J	2005	London: Allen Lane
Archaeology & Anthropology	Gosden, C	1999	London: Routledge
Archaeology	Renfrew, C & Bahn, P	2004	London: Thames & Hudson
The Human Past	Scarre, C	2005	London: Thames & Hudson
Cultural Anthropology	Keesing, R & Stathern, M	1998	
The Innocent Anthropologist	Barley, N	1983	Harmondsworth: Penguin
A Plague of Caterpillars	Barley, N	1986	Harmondsworth: Penguin
Watching the English	Fox, K	2005	London: Hodder & Stoughton
An Anthropologist in Japan	Hendry, J	1999	London: Routledge
Timewalkers: The Prehistory of Global Colonization	Gamble, C	2003	Stoud: Alan Sutton

The Mind in the Cave	Lewis-Williams, J. D.	2002	London: Thames & Hudson
The Prehistory of the Mind	Mithen, S	1996	London: Thames & Hudson
Homo Britannicus	Stringer, C	2005	London: Thames & Hudson
In Search of Neanderthals	Stringer, C & Gamble, C	1993	London: Thames & Hudson

Biochemistry:

Title	Author	Year Published	Publisher
The Selfish Gene	Dawkins, R	2006	Oxford University Press
Y, The Descent of Man	Jones, S		
The Eighth Day of Creation: The Makers of the Revolution in Biology	Judson, H		
Power, Sex, and Suicide – Mitochondria and the Meaning of Life	Lane, N		
Advice to a Young Scientist	Medawar, P		
Genome: Autobiography of a Species	Ridley, M		
The Seven Daughters of Eve	Sykes, B		

There is a series of booklets on different aspects of Biochemistry “Understanding Biochemistry” available for download free from the Biochemical Society (link below).

<https://www.biochemistry.org/education/schools-and-fe-colleges/biochemistry-booklets-for-a-level/>

Biomedical Sciences:

Title	Author	Year Published	Publisher
Life at the Extremes	Ashcroft, F	2002	Univ California Press
The Logic of Life	Black, J, Boyd, C.A.R. & Noble, D	1993	Oxford University Press
Conversations with Neil’s Brain: The Nature of Thought and Language	Calvin, W.H and Ojamann, G.A.	1994	Basic Books
The Selfish Gene	Dawkins, R	2006	Oxford University Press

The Oxford Book of Modern Science Writing	Dawkins, R	2009	Oxford University Press
Microbe Hunters	De Kruif, P	2005	Kessinger Publishing Co
Elegance in Science	Glynn, I	2010	Oxford University Press
Bad Science	Goldacre, B	2009	Harper Perennial
The Human Brain: A Guided Tour	Greenfield, S	1998	Orion Publishing Group
The Language of Genes	Jones, S	2000	Harper Collins (Flamingo)
Advice to a Young Scientist	Medawar, P	1989	Perseus Books
The Music of Life: Biology Beyond the Genome	Noble, N	2006	Oxford University Press
The Man Who Mistook his Wife for a Hat	Sacks, O	1986	Pan Macmillan Picador
Blood of the Isles	Sykes, B	2007	Corgi Books
One in Three	Wishart, A	2007	Profile Books
Principles of Physiology	Levy, M, Koeppen, B, and Stanton, B.	2009	Eslevier
Medical Physiology	Boron, W & Boulpaep, E	2008	Elsevier Health Sciences (Saunders)
The Physiology of Excitable Cells	Aidley, D	1998	Cambridge University Press
Principles of Neural Science	Kandel, E, Schwartz, J, & Jessell, T	2000	Elsevier
Pharmacology	Rang, H et al	2007	Elsevier Health Sciences (Churchill Livingstone)
Biochemistry	Stryer, L	2006	W H Freeman & Co Ltd
Molecular Biology of the Cell	Alberts, B et al	2008	Taylor & Francis (Garland Publishing)
Essentials of Medical Statistics	Kirkwood, B	2003	Blackwell Science
Induction and Intuition in Scientific Thought	Medawar, P	2008	Taylor & Francis Routledge
The Unnatural Nature of Science	Wolpert, L	2000	Faber and Faber
Nerve and Muscle	Keynes, R & Aidley, D	2001	Cambridge University Press

Chemistry

Title	Author	Year Published	Publisher
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Chemistry: A Very Short Introduction	Peter Atkins	2015	Oxford University Press
Organic Chemistry: A Very Short Introduction	Graham Patrick	2017	Oxford University Press
Chemistry: A Very Short Introduction	Peter Atkins	2014	Oxford University Press
Physical Chemistry (8 th Edition)	Peter Atkins	2006	Oxford University Press
Inorganic Chemistry (4 th Edition)	Shriver and Atkins	2006	Oxford University Press
Chemistry of the Elements (2 nd Edition)	Greenwood & Earnshaw	1997	Pergamon
Foundations of Organic Chemistry	Hornby & Peach	1996	Oxford University Press
A Guide to Mechanism in Organic Chemistry	Sykes	1986	Pearson
Mathematical Methods for Science Students	Stephenson, G	1984	Pearson
Organic Chemistry	Clayden, Greeves, Warren and Wothers		OUP

Computer Science

Title	Author	Year Published	Publisher
Computational Fairy Tales	Kubica, J	2012	CreateSpace
Artificial Intelligence: A Ladybird Expert Book	Wooldridge, M	2018	Michael Joseph Books
Once Upon an Algorithm: How Stories Explain Computing	Erwig, M	2017	MIT Press
Computer Science: An Overview	Brookshear, J	2014	Pearson
Code: The Hidden Language of Computer Hardware and Software	Petzold, C	2000	Microsoft Press
The Pattern on the Stone: The Simple Ideas That Make Computers Work	Hillis, D	1999	Basic Books
The Information: A History, A Theory, A Flood	Gleick, J	2012	Fourth Estate
Outnumbered	Sumpter, D	2018	Bloomsbury Sigma

AI: Its Nature and Future	Boden, M	2016	OUP
The Code Book	Singh, S	2002	Fourth Estate
Algorithmic Puzzles	Levitin, A & Levitin, M	2011	OUP
The New Turing Omnibus	Dewdney, A	2003	Palgrave Macmillan
Hello World: How to be Human in the Age of the Machine	Fry, H	2019	Black Swan
The Road to Conscious Machines: The Story of AI	Wooldridge, M	2021	Pelican
Hidden Figures: The American Dream and the Untold Story of the Black Women Who Helped Win the Space Race	Shetterly, M	2016	Harper Collins
Computing with Quantum Cats: From Alan Turing to Teleportation: From Colossus to Qubits	Gribbin, J	2015	MIT Press

Economics & Management:

Title	Author	Year Published	Publisher
The Undercover Economist	Harford, T	2005	Little, Brown
Free Lunch: Easily Digestible Economics	Smith, D	2003	Profile Books
The Accidental Theorist	Krugman, P	1998	Norton
A Very Short Introduction to Game Theory	Binmore, K	2007	OUP
Economics: A Very Short Introduction	Dasgupta, P	2007	OUP
The Great Economists: How Their Ideas Can Help Us Today	Yeuh, L	2018	Penguin
The Tiger That Isn't: Seeing Through A World of Numbers	Blastland, M and Dilnot, A	2007	Profile Books
The Penguin History of Economics	Backhouse, R	2002	Penguin
The Rough Guide to Economics	Mell, A & Walker, O	2014	Penguin

Predictably Irrational: The Hidden Forces that Shape Our Decisions	Ariely, D	2008	London: Harper Collins
Hatching Twitter: A True Story of Money, Power, Friendship, and Betrayal	Bilton, N	2014	USA: Portfolio Penguin
Business Adventures: Twelve Classic Tales from the World of Wall Street	Brooks, J	1969	London: John Murray Press
Bad Blood: Secrets and Lies in a Silicon Valley Startup	Carreyrou, J	2018	New York: Knopf
The Goal: A Process of Ongoing Improvement	Goldratt, E M	1984	USA: North River Press
10 Must Reads: AI, Analytics, and the New Machine Age	Porter, M, Daugherty, P, Wilson, H	2018	Harvard Business Review
Made to Stick: Why Some Ideas Take Hold and Others Come Unstuck	Heath, C, Heath, D	2008	London: Penguin Random House
Liar's Poker: Rising Through The Wreckage on Wall Street	Lewis, M	1989	New York: Norton
Moneyball: The Art of Winning an Unfair Game	Lewis, M	2003	New York: Norton
Prosperity: Better Business Makes the Greater Good	Mayer, C	2019	OUP
The Value of Everything: Making and Taking in the Global Economy	Mazzucato, M	2016	London: Penguin
Machine, Platform, Crowd: Harnessing our Digital Future	McAfee, A and Brynjolfsson, E	2018	New York: Norton
50 Ideas You Really Need to Know: Capitalism	Portes, J	2016	London: Quercus
The Lean Startup: How Constant Innovation Creates Radically Successful Businesses	Ries, E	2011	USA: Portfolio Penguin
Good Strategy: Bad Strategy: The	Rumelt, R	2011	New York: Random House

Difference and Why It Matters			
The Myth of Capitalism	Tepper, J and Hearn, D	2019	New Jersey: John Wiley and Sons
The Prize: The Epic Quest for Oil, Money, and Power	Yergen, D	1990	New York: Free Press
The Age of Surveillance Capitalism: The Fight for a Human Future at the New Frontier of Power	Zuboff, S	2019	New York: Public Affairs

Experimental Psychology / Psychology, Philosophy, and Linguistics

Title	Author	Year Published	Publisher
Phantoms in the Brain: Human Nature and the Architecture of the Mind	Ramachandran, V & Blakeslee, S	1999	
The Man Who Mistook His Wife for a Hat	Sacks, O	2011	
Madness Explained: Psychosis & Human Nature	Bentall, R & Beck, A	2004	
Consciousness Explained	Dennett, C	1993	
The Private Life of the Brain	Greenfield, S	2002	
Nature via Nurture: Genes, experience & what makes us human	Ridley, M	2004	
The Language Instinct: The New Science of Language and Mind	Pinker, S	1995	
Bad Science	Goldacre, B	2009	
Psychology	Hewstone, M, Fincham, F & Foster, J	2005	
Psychology: The Science of Mind and Behaviour	Gross, R	2005	
Foundations of Psychology: An Introductory Text	Hayes, N	2000	
Philosophy: The Basics	Warburton, N	2004	
Philosophy: The Classics	Warburton, N	2006	

Invitation to Philosophy	Hollis, M	1997	
What does it all mean?	Nagel, T	2004	
What Philosophy Is: An Introduction to Contemporary Philosophy	O'Hear, A	1995	
Think: A Compelling Introduction to Philosophy	Blackburn, S	1999	
Philosophy: A Very Short Introduction	Craig, E	2002	
The Central Questions of Philosophy	Ayer, A	1975	
The Problem of Philosophy	Russell, B	2008	
Limits of Language	Parkvall, M	2008	
The Articulate Mammal: An introduction to Psycholinguistics	Aitchison, J	2011	
The Language Instinct	Pinker, S	1995	
Linguistics: An Introduction	Radford, A et al	2009	
How to Lie with Statistics	Huff, D	1993	
Teach Yourself Statistics	Graham, A	2008	
Statistics without Tears: A primer for the non-mathematician	Rowntree, D	2003	
Statistics Without Maths for Psychology	Dancey, C & Reidy, J	2004	
Research Methods and Statistics in Psychology	Coolican, H	2009	

Fine Art

Title	Author	Year Published	Publisher
Reflections on Photography	Barthes, R, Lucida, C		Vintage
The Rise of the Sixties: American and European Art in the Era of Dissent	Crow, T		Everyman

Contemporary Art: A Very Short Introduction	Stallabrass, J		OUP
Contemporary Art: World Currents	Smith, T		Laurence King Publishing

History of Art:

Title	Author	Year Published	Publisher
Painting and experience in fifteenth century Italy	Baxandall, M	1988	OUP
The painting of Modern Life: Paris in the art of Manet and his followers	Clark, T	1995	London: Thames and Hudson
Art in China	Clunas, C	2009	OUP
Modern Art in the Common Culture	Crow, T	1998	New Haven and London: Yale University Press
Behind the picture: Art and Evidence in the Italian Renaissance	Kemp, M	1997	New Haven and London: Yale University Press
Women, Art, and Power: And Other Essays	Nochlin, L	1989	London: Thames and Hudson

Human Sciences

Title	Author	Year Published	Publisher
The Innocent Anthropologist	Barley, N	1983	Penguin
How Humans Evolved	Boyd, R and Silk, J	2002	WW Norton and Company
Unravelling Animal Behaviour	Dawkins, M	1986	Longman
The Age of Migration	Castles, S and Miller, M	1998	Macmillan
Collapse: How Societies Choose to Fail or Succeed	Diamond, J	2005	Viking
An Introduction to Population	Daughery, H and Kammeyer, K	1995	Guildford Press
Witchcraft Oracles and Magic among the Azande	Evans-Pritchard, E	1980	OUP
Race, Monogamy, and other Lies they told	Fuentes, A	2012	University of California Press

you: Busting Myths about Human Nature			
Ever Since Darwin	Gould, S	1980	Penguin
From Lucy to Language	Johanson, D and Edgar, B	1997	Weidenfeld & Nicholson
The Language of Genes	Jones, S	1993	Flamingo
Cultural Anthropology	Keesing, R	1981	Holt, Rinehart and Winston
The Chosen Primate	Kuper, A	1996	Harvard University Press
The Origin of Humankind	Leakey, R	1994	Weidenfeld
A Concise History of World Population	Livi-Bacci, M	1994	Blackwell
The Population of Europe	Livi-Bacci, M	2000	Blackwell
The Haves and Have-Nots: A Brief and Idiosyncratic History of Global Inequality	Milanovic, B	2011	New York: Basic Books
Even Since Adam and Eve: The Evolution of Human Sexuality	Potts, M and Sort, R	2000	Cambridge University Press
Evolution: A View from the 21 st Century	Shapiro, J	2011	FT / Prentice Hall
Plagues	Wills, C	1997	Flamingo
The Diversity of Life	Wilson, E	1992	Penguin

Law

Title	Author	Year Published	Publisher
How to Study Law (5 th edition)	Bradney, A et al	2005	Sweet and Maxwell
Understanding Property Law (4 th Edition)	Murphy, T and Roberts, S	2004	Sweet and Maxwell
Public Law (3 rd Edition)	Ganz, C	2001	Sweet and Maxwell
Understanding Law (4 th Edition)	Adams, J and Brownsword, R	2006	Sweet and Maxwell
Understanding Contract Law (4 th Edition)	Adams, J and Brownsword, R	2004	Sweet and Maxwell
Understanding Criminal Law (5 th Edition)	Clarkson, C	2005	Sweet and Maxwell
Invitation to Law	Simpson, A	1993	Blackwells
Modern English Legal System	Smith & Bailey	2001	Sweet and Maxwell

Materials Science

Title	Author	Year Published	Publisher
Handmade: A Scientist's Search for Meaning through Making	Ploszajski, A	2021	Bloomsbury
What's Next?	Al Khalili, J	2017	Profile Books
Stuff Matters: The Strange Stories of the Marvellous Materials that Shape our Man-made World	Miodownik, M	2013	Viking
The New Science of Strong Materials or Why You Don't Fall Through The Floor	Gordon, J	2008	Princeton University Press
Bright Earth: The Invention of Colour	Ball, P	2008	Vintage Books
Made to Measure: New Materials for the 21 st Century	Ball, P	1999	Princeton University Press
Where Stuff Comes From	Molotch, H	2005	Routledge
The Material World	Cotterill, R	2008	Cambridge University Press
Materials for Engineering	Martin, J	2006	Woodhead Publishing Ltd

Mathematics:

Title	Author	Year Published	Publisher
How to Study for a Mathematics Degree	Alcock, L	2012	
Numbers and Proofs	Allenby, R	1997	
Towards Higher Mathematics: A Companion	Earl, R	2017	
How To Think Like A Mathematician	Houston, K	2009	
A Concise Introduction to Pure Mathematics	Liebeck, M	2000	
Why Study Mathematics?	Neale, V	2020	
The Calculus Story	Acheson, D	2017	
The Wonder Book of Geometry	Acheson, D	2020	
Alex's Adventures in Numberland	Bellos, A	2010	

A Brief History of Infinity	Clegg, B	2003	
What is Mathematics?	Courant, Robbins, and Stewart	1996	
Mathematics: The New Golden Age	Devlin, K	1998	
The Unfinished Game	Devlin, K	2008	
Is Mathematics Inevitable? A Miscellany	Dudley, Underwood	2008	
Maths in 100 Key Breakthroughs	Elwes, R	2013	
The Colossal Book of Mathematics	Gardiner, M	2001	
Applied Mathematics: A Very Short Introduction	Goriely, A	2018	
Mathematics: A Very Short Introduction	Gowers, T	2002	
An Eternal Golden Braid	Hofstadter, D	1979	
The Pleasures of Counting	Korner, T	1996	
Closing the Gap: The quest to understand prime numbers	Neale, V	2017	
The Mathematical Century: The 30 Greatest Problems of the last 100 Years	Piergiorgio, O	2004	
Cryptography: A Very Short Introduction	Piper, Fred, & Murphy	2002	
How to Solve It	Polya, G	1945	
Mathematics Masterclasses: Stretching the Imagination	Sewell, M	1997	
The Code Book	Singh, S	2000	
17 Equations That Changed the World	Stewart, I	2012	

Medicine:

Title	Author	Year Published	Publisher
Life at the Extremes	Ashcroft, F	2002	University of California Press
The Logic of Life	Black, J	1993	OUP
Conversations with Neil's Brain	Calvin, W	1995	Basic Books
The Selfish Gene	Dawkins, R	2006	OUP

Microbe Hunters	De Kruif, P	2005	Kessinger Publishing Co
Elegance in Science	Glynn, I	2010	OUP
The Languages of Genes	Jones, S	2000	Harper Collins (Flamingo)
Blood of the Isles	Sykes, B	2007	Corgi Books
One in Three	Wishart, A	2007	Profile Books

Modern Languages (Linguistics):

Title	Author	Year Published	Publisher
Limits of Language	Parkvall, M	2008	
The Articulate Mammal	Aitchison, J	2011	
The Language Instinct	Pinker, S	1995	
Linguistics: An Introduction	Radford, A et al	2009	

Music:

Title	Author	Year Published	Publisher
Music: A Very Short Introduction	Cook, N	1998	OUP
An Introduction to Music Studies	Harper-Scott, J	2009	Cambridge University Press
Music in Everyday Life	DeNora, T	2000	Cambridge University Press