**BRAIN FOOD!**

**Extension reading for students**

Also see work in **R:\Sixth Form\Extension work**

|  |
| --- |
| **Remember**, don’t just read books - jot down notes on the key ideas and your reactions to them.   * What do you agree or disagree with, enjoy or dislike and why? * How does it relate to what you know already? * Does it suggest further reading you can do? |

**BIOLOGY**

Rachel Carson, *Silent Spring*

James Lovelock, *Gaia: a new look at life on Earth*

Dava Sobel, *Longitude*

Steve Jones, *Almost like a Whale*

Richard Dawkins, *Climbing Mount Improbable*

Richard Dawkins, *The Blind Watchmaker*

Matt Ridley, *The red queen: sex and the evolution of human nature*

Neil Shubin, *Your inner fish*

Nick Lane, *Life Ascending*

Lewis Wolpert, *How We Live and Why We Die: the secret lives of cells*

**BUSINESS AND ECONOMICS**

Tim Harford, *The Undercover Economist*

Naomi Klein, *Shock Doctrine*

Naomi Klein, *No Logo*

Naomi Klein, *Fences and Windows*

Noam Chomsky, *Hegemony or Survival*

Will Hutton*, The State We’re in*

**CHEMISTRY**

Oxford chemistry primers is an excellent series - all cost between £10 - £14. They are very thin and approachable, but have some deceptively advanced content!

Shriver & Atkins, *Inorganic Chemistry*

Housecroft & Constable, *Chemistry*

Atkins & de Paula, *Physical Chemistry*

Monk & Monro, *Maths for Chemists*

James Keeler and Peter Wothers, *Why Chemical Reactions Happen*

**COMPUTING**

A.K.Dewdney, *New Turing Omnibus*

**FRENCH**

Emile Zola, *Germinal*

Charles Baudelaire, *Les Fleurs du Mal*

Andre Breton, *Nadja*

**GEOGRAPHY**

Paul Collier, *The Bottom Billion: Why the Poorest Countries are Failing and What Can be done about it*

James Lovelock, *The Revenge of Gaia: Why the Earth is Fighting Back and How We Can Still Save Humanity*

[www.ted.com](http://www.ted.com)

[www.withouthotair.com](http://www.withouthotair.com)

**HISTORY**

Simon Scharma, *A History of Great Britain*

George Orwell, *Nineteen Eighty-Four*

Robert Graves, *I Claudius*

John K. Galbraith, *The Great Crash 1929: The classic account of economic disaster*

Michael Burleigh, *Sacred Causes: religion and politics from the European Dictators to Al Qaeda*

Mark Mazower, *Dark Continent: Europe's Twentieth Century*

Niall Ferguson, *War of the World: History’s Age of Hatred*

Niall Ferguson, *The Pity of War* (1999)

**Stuart**

G.W. Bernard, *The King's Reformation: Henry VIII and the Remaking of the English Church* (2006)

William G. Naphy, *The Protestant Revolution: From Martin Luther to Martin Luther King Jr.* (2007)

**Russia**

Simon Sebag Montefiore, *Young Stalin*

Simon Sebag Montefiore, *Stalin: The Court of the Red Tsar*

**Historiography**

David Cannadine *What is History Now?*

E.H. Carr, Professor Richard J. Evans *What is History?*

Professor Ludmilla Jordanova *History in Practice*

Alan Bennett, *The History Boys (Book/film)*

**LAW**

[www.thelawyer.com](http://www.thelawyer.com)

Helena Kennedy, *Eve Was Framed: Women and British Justice*

Helena Kennedy, *Just Law*

Tom Bingham, *The Rule of Law*

Geoffrey Rivlin, *Understanding the Law*

Marcel Berlins and Clare Dyer, *The Law Machine*

**MATHS**

David Acheson, *1089 and all that: A Journey into Mathematics*

Graham Farmelo (editor), *It Must be Beautiful*

Simon Singh, *Fermat’s Last Theorem*

Simon Singh, *The Code Book: The Secret History of Codes and Code-breaking*

Solomon Golomb, Polyominoes

Edwin Abbott, *Flatland: A Romance Of Many Dimensions*

Rob Eastaway and John Haigh, *How to Take a Penalty*

Sarah Flannery and David Flannery, *In Code: A Mathematical Adventure*

Ian Stewart, *The Magical Maze*

David Wells, *The Penguin Dictionary of Curious and Interesting Numbers*

Apostolos Doxiadis, *Uncle Petros and Goldbach’s Conjecture*

John Conway and Richard Guy, *The Book of Numbers*

William Dunham, *The Mathematical Universe: An Alphabetical Journey Through the Great Proofs, Problems, & Personalities*

Ian Stewart, *Does God Play Dice?*

Timothy Gowers, *Mathematics: A Very Short Introduction*

Michael J de Smith, *Maths for the Mystified*

Eli Maor, *e: The Story of a Number*

Robin Wilson, *Four Colours Suffice*

Keith Devlin, *The Millennium Problems*

Robert Kanigel, *The Man Who Knew Infinity: A Life of the Genius Ramanujan*

Marcus du Sautoy, The Music of the Primes

**MEDIA**

<https://www.theguardian.com/media/series/media-briefing>

Connell, B, *Exploring the Media – Text, Industry, Audience, Auteur*

Williams, E, *This is Advertising*

Lacey, N., *Media, Institutions and Audiences*

**PHYSICS**

Richard Feynman, *The Feynman lectures on physics*

Stephen Hawking, *A brief history of time*

John Gribbin, *In search of Shroedingers cat*

Brian Greene, *The elegant universe*

Michio Kaku, *Parallel worlds: a journey through creation, higher dimensions and the future of the cosmos*

Leonard Susskin, *The black whole war*

Lisa Randell, *Warped passages: unravelling the mysteries of the universes hidden dimensions*

Richard Feynman, *6 easy pieces*

Richard Feynman, *6 not so easy pieces*

Richard Feynman, *Surely you’re joking Mr Feynman*

**PSYCHOLOGY**

Oliver Sacks, *The Man who mistook his Wife for a Hat*

Sigmund Freud, *A General Introduction to Psychoanalysis*

**SOCIOLOGY**

Simone de Beauvoir**,** *The Second Sex*

Kate Pickett and Richard Wilkinson, *The Spirit Level: Why Equality is Better for Everyone*

**SPANISH**

**Grammar**

Butt, John & Carmen Benjamin, *A New Reference Grammar of Modern Spanish*, 4th ed., London: Arnold

**Texts**

Federico García Lorca, *La casa de Bernarda Alba*

Gabriel García Márquez, *Crónica de una muerte anunciada*

Laura Esquivel, *Como agua para chocolate*

Ramón J. Sender, *Réquiem por un campesino español*

Carlos Ruiz Zafón, *La sombra del viento*

Isabel Allende, *La casa de los espíritus*

Gustavo Adolfo Bécquer, *Rimas*

Fernando Fernán-Gómez, *Las bicicletas son para el verano*

Luis de Castresana, *El otro árbol de Guernica*

Gabriel García Márquez, *El coronel no tiene quien le escriba*

**Films**

*El laberinto del fauno,* Guillermo del Toro (2006)

*Ocho apellidos vascos,* Emilio Martínez-Lázaro (2014)

*María, llena eres de gracia* Joshua Marston (2004)

*Volver,* Pedro Almodóvar (2006)

*Abel* Diego, Luna (2010)

*Las 13 rosas,* Emilio Martínez-Lázaro (2007)

**GENERAL**

[www.intelligencesquared.com](http://www.intelligencesquared.com)

Tony Buzan, *Use Your Head: How to Unleash the Power of Your Mind*

*Study skills*

[www.tedtalks.com](http://www.tedtalks.com)