



Wider Reading – Science

Biology Wider Reading

Richard Dawkins:

- The Selfish Gene
- The Blind Watchmaker.
- Unweaving the Rainbow
- Climbing Mount Improbable
- The Ancestor's Tale

Ben Goldacre:

- Bad Science

Steve Jones:

- Y: The Descent of Men
- In the Blood: God, Genes and Destiny
- Almost Like a Whale: The 'Origin of Species' Updated
- The Language of the genes

Matt Ridley:

- Genome: The Autobiography of a Species in 23 Chapters
- The Red Queen: Sex and the Evolution of Human Nature
- The Language of Genes

Francis Crick:

- Discoverer of the Genetic Code
- Nature Via Nurture: Genes, Experience and What Makes Us Human

James Watson:

- DNA: The Secret of Life
- The Double Helix: Personal Account of the Discovery of the Structure of DNA

Lewis Thomas:

- The Lives of a Cell: Notes of a Biology Watcher. The Medusa and the Snail: More
- Notes of a Biology Watcher Barry Gibb: The Rough Guide to the Brain (Rough Guides Reference Titles)

Charles Darwin:

- The origin of species

Armand Marie Leroi:

- Mutants: On the Form, Varieties and Errors of the Human Body

David S. Goodsell:

- The Machinery of Life

Ernst Mayr:

- This Is Biology: The Science of the Living World

George C. Williams:

- Plan and Purpose in Nature

Steve Pinker:

- The Language Instinct

Edward O Wilson:

- The Diversity of Life

Richard Leaky:

- The Origin of Humankind

Bill Bryson:

- A Short History of Nearly Everything

Oliver Sachs:

- The Man Who Mistook His Wife For A Hat

Daniel Chamovitz:

- What A Plant Knows

Websites

1. <http://www.ibiblio.org/virtualcell/index.htm> – An interactive cell biology site
2. <http://www.accessexcellence.org/RC/VL/GG> – A web site showing illustrations of many processes of biotechnology
3. <http://www.uq.oz.au/nanoworld> – Visit the world of electron-microscopy
4. <http://www.dnai.org/a/index.html> – Explore the genetic code
5. <http://nobelprize.org> – Details of the history of the best scientific discoveries
6. <http://nature.com> – The site of the scientific journal
7. <http://royalsociety.org> – Podcasts, news and interviews with scientists about recent scientific developments
8. <http://www.nhm.ac.uk> – The London Natural History Museum’s website with lots of interesting educational material
9. <http://www.bmj.com> – The website of the British Medical Journal
10. http://www.bbc.co.uk/news/science_and_environment - The BBC news page for Science and the Environment

Generic Fiction based in Biology

- **Lois Lowry** The Giver Trilogy
- **Michael Crichton** Jurassic Park
- **Suzanne Collins** The Hunger Games Trilogy

Factual Environmental Books

Alison Benjamin , Brian McCallum A World Without Bees

Cohen, Joel. How Many People Can the Earth Support?

Carson, Rachel. Silent Spring.

James Lovelock The Ages of Gaia (1988)
The Revenge of Gaia (2006)

Raup, David. Extinction: Bad Genes or Bad Luck?



Chemistry Wider Reading

Books

- **Richard Feynman** The Pleasure of Finding Things Out -
- **Hugh Aldersey-Williams** Periodic Tales -
- **Sam Kean** The Disappearing Spoon -
- **Oliver Sachs** Uncle Tungsten -
- **John Emsley** The Shocking History of Phosphorus: A Biography of the Devil's Element -

Magazines/Journals

- Scientific American
- New Scientist
- The Mole

Places of Interest

- Royal Society of Chemistry - Burlington Arcade, Regents Street London
- Science Museum, London
- Museum of the History of Science, Oxford
- Curie Museum, Paris

Websites

- Periodic Table of Videos by Martyn Poliakoff www.youtube.com
- Royal Society of Chemistry www.rsc.org.uk
- Institution of Chemical Engineers www.icheme.org
- www.chemguide.co.uk



Physics Wider Reading

Books

- **Bill Bryson** - A short History of Nearly Everything -
- **New Scientist** - Why don't penguins' feet freeze?
- **Stephen Hawking and Leonard Mlodinow** -The Grand Design
- **Peter Ackroyd** - Newton
- **Brian Cox and Jeff Forshaw** - The Quantum Universe: Everything that can happen does happen

Magazines/Journals

- Physics World
- Scientific American
- New Scientist

Places of Interest-London

- Science Museum
- Imperial war museum
- The Planetarium
- Greenwich observatory
- The space museum (Washington DC)

Websites

www.iop.org

www.sixtysymbols.com

www.physicsworld.com

<http://home.web.cern.ch/topics/large-hadron-collider>