



Post-16 Summer Work - Biology

Your task over the summer holidays is to read the information found in this transition guide. We would also like you to complete a presentation on a science topic of your choice. It could be a review of one of the suggested texts, a review of a popular science series on television or radio. It could be a summary of some new research or findings presented over the summer or of this year's Nobel Prize winners. It could be about a science career you are interested in or the life of a great scientist. The choice is yours so pick something you are enthusiastic about, but be prepared to present it in your first lessons in September.

Reading List

Magazines, Newspapers and journals:

New Scientist

Nature

Science

Biological Sciences Review

British Medical Journal

Any scientific articles in newspapers
(eg the Guardian on Wednesday)

Books:

Richard Dawkins:

The Selfish Gene

The Blind Watchmaker.

Unweaving the Rainbow

Climbing Mount Improbable

The Ancestor's Tale

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

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, Vari-
eties and Errors of the Human Body

David S. Goodsell: The Machinery of Life

Ernst Mayr: This Is Biology: The Science of the
Living World

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

James Watson:

DNA: The Secret of Life

The Double Helix: Personal Account of the Dis-
covery 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 Biol-
ogy Watcher

Steve Pinker: The Language Instinct

Edward O Wilson: The Diversity of Life

Primo Levi: The Periodic Table

Richard Leaky: The Origin of Humankind

Bill Bryson: A Short History of Nearly Everything

George C. Williams: Plan and Purpose in Nature

Useful Links and Resources

TV and Radio

[Inside Science](#) - BBC Radio 4

BBC – [Science and Nature](#)

[Natural Histories](#) – BBC Radio 4

[The infinite Monkey Cage](#) – BBC Radio 4

[The life scientific](#) – BBC Radio 4

Resources:

Edexcel Biology A, A Level Complete Revision and Practice – ISBN 978 1 78294 298 6

Salter Nuffield AS/A Level Biology Revision Workbook – ISBN 9781447992707

Year 12

Salters-Nuffield AS/A level Biology Student Book 1 + ActiveBook (Salters-Nuffield Advanced Biology(2015))
ISBN-13↑: ↑978-1447991007

Year 13

Salters-Nuffield A level Biology Student Book 2 + ActiveBook (Salters-Nuffield Advanced Biology(2015))
ISBN-13↑: ↑978-1447991014