Biology reading list

Key Stage 3 Biology

All about Biology (Big Questions), by Robert Winston.

Bad Science, by Ben Goldacre.

Does Anything Eat Wasps? New Scientist.

Key Stage 4 Biology

The Body. A Guide for Occupants, by Bill Bryson.

The Medical Detective. John Snow, Cholera and the Mystery of the Broad Street Pump, by Sandra Hempel.

Other Minds: The Octopus and the Evolution of Intelligent Life, by Peter Godfrey – Smith.

Life Ascending, by Nick Lane.

A Brief History of Everyone who Ever Lived, by Adam Rutherford.

The Blind Watchmaker, by Richard Dawkins.

Coral: A Pessimist in Paradise, by Professor Steve Jones.

Key Stage 5 Biology

Communicable disease

Biography of a Germ by Arno Karlen.

Pathogenesis: How Germs Made History by Jonathan Kennedy.

Experiment Eleven, Deceit and Betrayal in the Discovery of the Cure for Tuberculosis, by Peter Pringle.

Evolution and genetics

The Epigenetics Revolution by Nessa Carey.

Junk DNA by Nessa Carey.

Genome: The Autobiography of a Species in 23 Chapters, by Matt Ridley.

The Gene: An Intimate History by Siddhartha Mukherjee.

Hacking the Code of Life, Nessa Carey

Climbing Mount Improbable, Richard Dawkins

Cell biology

The Immortal Life of Henrietta Lacks by Rebecca Skloot.

How Life Works by Philip Ball.

Plants and sustainability

Entangled Life by Merlin Sheldrake.

Braiding Sweetgrass by Robin Wall Kimmerer.

The Hidden Life of Trees by Peter Wohlleben.

Regeneration: The Rescue of a Wild Land by Andrew Painting.

Neuroscience and psychology

Mapping the Mind by Rita Carter.

The Brain: The Story of You by David Eagleman.

The Story of the Brain in 10 ½ cells, by Richard Wingate.

General biology

What is life? Understanding Biology in Five Steps, by Paul Nurse**.**

Oxford Biology Primers series: Some of this series is designed for 16 – 19 year olds. They explore topics that are familiar from the curriculum and introduce new ideas, giving students a first taste of the study of biology beyond school-level and demonstrating how concepts frequently encountered at school are relevant to and applied in current research. The series includes titles such as Climate change and nature; The Cancer Challenge; Animal Developmental Biology; Organs, Systems and Surgery; The Marine Environment and Biodiversity; Evolution; Human Infectious Disease and Public Health; Plant Diseases and Biosecurity; Hormones.