

## **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.