



Biology Reading List

1. **The Incredible Unlikeliness of Being** - Alice Roberts. *Alice Roberts combines embryology, genetics, anatomy, evolution and zoology to tell the incredible story of the human body*
2. **The Epigenetics Revolution** - Nessa Carey. *A fascinating introduction to epigenetics. If you enjoy this, follow up with Seed to Seed (see below).*
3. **The Immortal Life of Henrietta Lacks** - Rebecca Skloot. *How one woman's cancer cells changed the medical world forever, and because a multi-million dollar industry.*
4. **Bad Science** - Ben Goldacre. *Looking objectively at popular science reporting.*
5. **The Botany of Desire** - Michael Pollan. *A very different approach to science writing, Michael Pollan turns our normal perspective on its head to consider how plants manipulate humans.*
6. **Almost Like A Whale** - Steve Jones. *Using contemporary science to update Charles Darwin's "The Origin of the Species".*
7. **Blood Work: A Tale of Medicine and Murder in the Scientific Revolution** - Holly Tucker. *The dramatic history of blood transfusions, from 17th century France onwards.*
8. **Seed to Seed** - Nicholas Harberd. *A research scientist tells the story of ten years of discovery in his own laboratory. A very valuable insight into contemporary genetics and epigenetics research, and what it means to be a scientist.*
9. **Calculus Diaries** - Jennifer Ouellette. *A non-mathematician finds out how maths can help you tackle anything – even a zombie apocalypse.*
10. **Life Ascending** - Nick Lane. *Where does DNA come from? How did the eye evolve? A reconstruction of evolutionary history through ten of its greatest landmarks.*
11. **Genome** - Matt Ridley. *23 human chromosomes in 23 chapters.*
12. **The Energy of Life** - Guy Brown. *Introduction to the cutting-edge science of Bioenergetics.*

Recommended Magazines

1. **Biological Sciences Review.** This magazine is written specifically for students of A level Biology, Scottish Higher Biology and first year Biological Sciences undergraduates. It is highly readable and bridges the gap between your text books and scientific journals. There is a charge for subscribing to the magazine. An archive of articles from previous issues can be found on the magazine's website.
2. **Big Picture.** This is a free magazine produced by the Wellcome Trust. It is written for post 16 Biology students and explores the innovations and implications of cutting edge biomedical science. Visit the website to access previous issues.

Recommended web resources

1. **Cells Alive** - <http://www.cellsalive.com> Animations, images and interactives about cell biology.
2. **DNA Interactive** - <http://www.dnai.org/> Video footage and animations that bring our understanding of DNA replication and expression to life.
3. **Learn.Genetics** - <http://learn.genetics.utah.edu/> Animations and interactives that bring genetics, bioscience and health to life.

Resources that can help you to keep up to date with current biological research

- 1 **New Scientist** - <http://www.newscientist.com/> This is a weekly science magazine that keeps you up to date with what's new in science. If you wish to become a subscriber, you will have to pay, but your school or college may already subscribe. Ask your teacher or learning resource manager.
- 2 **Nature** - <http://www.nature.com/> This is an international weekly journal of science.
- 3 **BBC Science and Environment News** - http://www.bbc.co.uk/news/science_and_environment or via the BBC News phone App. Keep up to date with science and environment news as it happens.
- 4 **BBC Health news** - <http://www.bbc.co.uk/news/health> This provides breaking news from the world of human health and can also be found on the BBC News App.