

## Medicine Resources for Schools

(Please also refer to resource list for Biology)

### Resources for students

Key stage	Resource
	<b>Additional Reading</b>
KS4-5	<p><b>Bad Science</b> - Doctor Ben Goldacre</p> <p><b>I think You'll Find It's a Bit More Complicated Than That</b> - Doctor Ben Goldacre</p> <p>Two books written by a doctor exploring medical statistics, data, medical trials and how the pharmaceutical industry works in the modern world.</p>
KS4-5	<p><b>Being Mortal:</b> American surgeon Atul Gawande discusses how care for the sick and old has evolved since the 1900s, it also talks of the cultural contrast with Asian and middle eastern countries. Gawande also discusses the topic of assisted suicide, and hope for the ageing population in the future.</p>
KS5	<a href="#">Cambridge University Reading List for Natural Sciences</a>
KS4-5	<p><b>Clinical Psychology:</b> A Very Short Introduction - Susan Llewelyn and Katie Maatjes-van Doorn OUP.</p>
KS4-5	<p><b>Dear Life:</b> Rachel Clarke – a book exploring palliative care.</p>
KS4-5	<p><b>Dementia:</b> A Very Short Introduction - Kathleen Taylor – OUP.</p>
KS4-5	<p><b>Do No Harm:</b> Henry Marsh - insightful account of a doctor's experiences, wherein neurosurgeon Henry Marsh dives into the realities of having someone's life in your hands.</p>
KS4-5	<p><b>Drugs:</b> A Very Short Introduction - Les Iversen – OUP.</p>
KS4-5	<p><b>Epidemiology:</b> A Very Short Introduction - Rodolfo Saracci – OUP.</p>

KS4-5	<b>Genes:</b> A Very Short Introduction - Jonathan Slack – OUP.
KS5	<b>Guns, Germs and Steel</b> - Jared Diamond - discusses the effects of geography and biology on the success of global civilisations.
KS4-5	<b>Heredity:</b> A Very Short Introduction - John Waller – OUP.
KS4-5	<b>Medical Ethics:</b> A Very Short Introduction - Michael Dunn and Tony Hope.
KS5	<a href="#">Open Access Chemistry Textbooks</a>
KS4-5	<b>Psychiatry:</b> A Very Short Introduction - Tom Burns OUP.
KS5	<a href="#">Staircase 12</a> - suggested reading from current undergraduates.
KS5	<b>The Deadly Dinner Party:</b> Jonathan Edlow - a medical detective story.
KS4-5	<b>The Emperor of All Maladies, the Biography of Cancer:</b> Siddhartha Mukherjee - A comprehensive book, exploring the history of Cancer, the evolution of its treatment and why it is such a difficult and fascinating illness to treat.  <b>The Gene, an Intimate History:</b> Siddartha Mukherjee - a good outline of modern medical genetics and how we got there.
KS5	<b>Thinking, Fast and Slow:</b> Daniel Kahneman - a ground breaking tour of the mind, two systems that drive the way we think and make choices.
KS4-5	<b>This is Going to Hurt:</b> Adam Kay – light-hearted yet informative accounts of Adam Kay’s career as a gynaecologist, the story starts from when he was applying to med school. He goes on to talk about his days as a junior doctor, seeing his first death, saving his first life, and being the classic overworked-yet-underpaid doctor.
KS5	<a href="#">University of Oxford Medical Sciences Division</a> – Introductory reading.
KS4-5	<b>Viruses:</b> A Very Short Introduction - Dorothy H. Crawford – OUP.
KS4-5	<b>Where There is No Doctor, a Village Healthcare Handbook:</b> David Werner - this book aims to inform its readers on how to deal with healthcare issues even in an isolated area where professional healthcare may not be readily available.
KS4-5	<b>When Breath becomes Air:</b> Paul Kalanithi - Stanford University neurosurgeon Paul Kalanithi was diagnosed with terminal lung cancer at the age of 30. He uses this book to tell his story and tackle the issue of approaching death with grace.

	Websites
KS5	<a href="#">Applying for Medicine at Oxford University</a> - information about personal statements, admissions tests and interviews.
KS4-5	<a href="#">Bacterial World</a> - Oxford University, Museum of Natural History resources.
KS5	<a href="#">Bad Science</a> - blog by Dr Ben Goldacre about current issues in medicine and science research.
KS5	<a href="#">Basic Concepts in Medical and Veterinary Science</a> from Cambridge University.
KS5	<a href="#">Brighton and Sussex Medical School</a> - virtual work experience.
KS5	<a href="#">British Library online</a> - videos, articles and other resources.
KS5	<a href="#">The British Medical Association</a> – guide to applying to medical school and obtaining work experience.
KS5	<a href="#">Cochrane UK</a> evidence-based medicine - systematic reviews summarising the best available evidence generated through research to inform decisions about health.
KS5	<a href="#">Free Interview Prep course</a>
KS4-5	<a href="#">Health Careers - Medicine</a> - If you're interested in finding out more about working as a doctor in the UK, this NHS website helps offers information about medical degrees and career options including volunteering opportunities for work experience.
KS5	<a href="#">The Medic Portal</a> - information about volunteering placements.
KS5	<a href="#">The Med School Project</a> - blogs about ethics, diseases and treatments by sixth formers interested in the medical sciences.
KS4-5	<a href="#">Medical Schools Council</a> - entrance requirements for all medical schools, providing information to support prospective applicants.
KS5	<a href="#">Medicine Answered</a> – 10 step guide to writing a personal statement for medicine.
KS5	<a href="#">Medicine Answered</a> - a guide to medical admissions tests.
KS4-5	<a href="#">The New Scientist</a>
KS4-5	<a href="#">Oxford Medical Research</a>

KS4-5	<a href="#">Oxford Science blog</a>
KS4-5	<a href="#">Oxford Sparks</a> - science website- research and resources.
KS2-5	<p><a href="#">Explore</a> - explore some of the big questions that are relevant to us all such as:</p> <ul style="list-style-type: none"> <li>• Could we end disease?</li> <li>• Can you choose to be healthy?</li> <li>• Is it OK to clone a human being?</li> </ul>
KS5	<a href="#">The Physiology Society</a> - articles, webinars, newsletter.
KS5	<a href="#">Practical Ethics</a> - blog about ethics in the news.
KS5	<a href="#">Royal College of General Practitioners</a> for news and information.
KS5	<a href="#">Teach Me Anatomy</a> - resource for medical students and professionals.
KS5	<a href="#">Useful blog</a> – about why you might want to study medicine.
KS5	<a href="#">Welcome</a> - information about research into current health challenges.
KS4-5	<a href="#">Your Genome</a> - genes, genomes and their implications for health and society.
KS5	<a href="#">Zooniverse</a> - medical project seeking information and support with research from volunteers
	<b>Radio/Podcasts/Videos/MOOCs</b>
KS5	<a href="#">An Introduction to Evidence Based Medicine Webinar</a> - Cochrane U.K.
KS4-5	<a href="#">Balliol College - Medical Sciences Video</a> - In this video, Dr Lisa Walker (Fellow in Medical Sciences) answers questions about preparing for tutorials, how she explores ideas with students and what she enjoys about conversations with them.
KS4-5	Balliol Springboard Video - <a href="#">Discovering the Power of Stem Cells</a>
KS4-5	Balliol Springboard Video - <a href="#">Fantastic Bacteria &amp; Ways to Kill Them</a>
KS4-5	Balliol Insight Video - <a href="#">Gender Bias in Science and Medicine</a>
KS4-5	Balliol Springboard Video - Genetics and T-Cell Vaccine Immunology <a href="#">Part 1</a> and <a href="#">Part 2</a>
KS4-5	Balliol Insight Video - <a href="#">Gerontology, Studying Aging - What is it and Why Does it Matter?</a>
KS4-5	Balliol Springboard Video - <a href="#">Getting to Know your Gut</a>

KS4-5	Balliol Springboard Video - <a href="#">How our Cells Communicate</a>
KS4-5	Balliol Springboard Video - <a href="#">Mathematical Modelling - Cancer Treatments</a>
KS4-5	Balliol Springboard Video - <a href="#">Misinformation and Science Denialism</a>
KS4-5	Balliol Insight Video - <a href="#">Obesity, it's Causes and Treatment</a>
KS4-5	Balliol Insight Video - <a href="#">Psychology and the Executive Functions of the Brain</a>
KS4-5	Balliol Springboard Video - <a href="#">The Science of Sleeping</a>
KS4-5	<a href="#">BBC Radio 4 In Our Time</a> - interviews with leaders in different fields.
KS4-5	<a href="#">BBC Radio 4 Inside the Ethics Committee</a>
KS4-5	<a href="#">BBC Radio 4 More or Less</a> - Behind the Stats podcast.
KS4-5	<a href="#">BBC Radio 4 The Life Scientific</a>
KS4-5	<a href="#">BBC Science News</a>
KS5	<a href="#">Bill Nye The Science Guy videos</a> about life sciences.
KS4-5	<a href="#">Biology TED Talks</a> - short talks of less than 20 minutes on various biology topics.
KS5	<a href="#">Coursera</a> - Medicine MOOCS.
KS4-5	<a href="#">Crash Course</a> - online courses in Anatomy, Biology, Psychology, etc.
KS5	<a href="#">The Cure</a> - programme about doctors and health workers on the front line facing different challenges.
KS5	<a href="#">EdX</a> - free online course in Medicine and Health.
KS5	<a href="#">Free Biology MOOCS.</a>
KS4-5	<a href="#">Gene Editing - Is It Ethical?</a> - Oxford Sparks.
KS4-5	<a href="#">Genetics Society</a> - range of podcasts about different aspect of genetics.
KS5	<a href="#">Gresham College</a> - public lectures in medical sciences.
KS4-5	<a href="#">The Guardian Long Reads</a> – podcasts.
KS5	<a href="#">Harvard</a> - free online courses in Medicine and Health.
KS4-5	<a href="#">iBiology</a> - Biology talks by some of the world's leading scientists.

KS4-5	<a href="#">Interview with Expert in Genetics, and Colorectal Cancer</a> - Oxford Sparks.
KS5	<a href="#">IVY League</a> - free MOOCS in Health and Medicine.
KS5	<a href="#">Medical Research at Oxford University</a>
KS5	<a href="#">Medical Sciences at Oxford</a> – video.
KS4-5	<a href="#">Medicine TED Talks</a> - short talks of less than 20 minutes on various medical topics.
KS4-5	<a href="#">The Naked Scientist</a> - radio shows and podcasts.
KS4-5	<a href="#">Needle Free Vaccines</a> - Oxford Sparks.
KS4-5	<a href="#">Ologies</a> - podcasts including virology and neuroendocrinology.
KS5	<a href="#">Oxford University Biology podcasts</a>
KS5	<a href="#">Oxford University Medical Science Division</a> – podcasts.
KS4-5	<a href="#">Parkinson's Disease and Research</a> - Oxford Sparks.
KS4-5	<a href="#">Radio 3 Biology programmes.</a>
KS4-5	<a href="#">The Royal Society</a> - videos about different aspects of science.
KS5	<a href="#">Royal Society of Medicine podcasts</a>
KS4-5	<a href="#">Science Friday</a> - podcasts about health.
KS5	<a href="#">This Podcast Could Kill You</a> - series with graduates discussing disease ecology.
KS5	<a href="#">Yale</a> - free online courses in Biology, Chemistry and Psychology.
	<b>Magazines and Journals</b>
KS5	<a href="#">Biochemical Society</a>
KS5	<a href="#">The British Medical Journal</a>
KS5	<a href="#">JSTOR</a> - source of online medical and health related publications.
KS5	<a href="#">The Lancet</a>
KS5	<a href="#">Nature</a>

KS5	<a href="#">Scientific American</a>
KS5	<a href="#">Young Scientists Journal</a>
	<b>Competitions</b>
KS5	<a href="#">Crest Gold Award</a> STEM Projects for students aged 16 or more
All	<a href="#">Oxford University Academic Competitions</a>
KS3-5	<a href="#">UK Biology competitions:</a>
	<ul style="list-style-type: none"> <li>▪ Biology Olympiad KS5</li> <li>▪ Intermediate Olympiad KS4</li> <li>▪ Biology Challenge KS3</li> </ul>
	<b>Events</b>
KS5	Calling all scientists to get involved in reviewing <a href="#">health care evidence</a>
All	Museums across the country offer exhibitions and events.

## Resources for teachers

Resource	Notes
<a href="#">The Association of Science Education</a>	Resources for KS2-5 students, best practice teaching guide, outreach events, conferences - Small membership fee applies.
<a href="#">The British Science Association</a>	STEM competitions - CREST and Youth Challenge  British Science week  Mass participation projects and more
<a href="#">Medicine Answered</a>	This guide covers how to support someone applying to Medicine if you are a parent or teacher of an applicant. Section one is aimed at parents, and section 2 is aimed at teachers. It is entirely free as part of Medicine Answered's commitment to making high-quality information about a career in Medicine free and easily accessible to anyone who is interested.

Resource	Notes
<a href="#">The Node Biologist</a>	Ideas for experiments and other resources.
<a href="#">Oxford Sparks Teaching Resources for Biology</a>	Lesson plans and resources.
<a href="#">TES Teaching Resources for Biology</a>	Lesson plans worksheets and activities for secondary and students.