



**KING EDWARD VI
CAMP HILL
SCHOOL FOR BOYS**



KS4 Supercurricular BIOLOGY

Reading

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| Why Don't Penguins' Feet Freeze? | 978-1861978769 |
| Does Anything Eat Wasps? | 978-1473651333 |
| Will We Ever Speak Dolphin? | 978-1473642713 |
| How Long is Now? | 978-1473628595 |
| Chris Packham's Nature Handbook | 978-0241539286 |
| The Science of the Ocean: The Secrets of the Seas Revealed | 978-0241415252 |
| The Science of Animals: Inside their Secret World | 978-0241346785 |
| Bill Bailey's Remarkable Guide to British Birds | 978-1786487131 |
| The Selfish Gene | 978-0198788607 |
| The Vital Question: Why is life the way it is? | 978-1781250372 |



Listening, viewing and doing

BBC iPlayer Science & Nature

<https://www.bbc.co.uk/iplayer/categories/science-and-nature/featured>

BBC news stories – science and the environment

https://www.bbc.co.uk/news/science_and_environment

BBC news stories – health

<https://www.bbc.co.uk/news/health>

Biology: Changing the World celebrates the great biologists of the past in order to inspire those of the future. The website and mobile app are packed with information and activities about the biologists that shaped the world we live in.

<https://biologyheritage.rsb.org.uk/bcw>

There are dozens of great science and nature podcasts to listen to. Find out how to access them and get listening here, as well as reading our reviews.

<https://www.discoverwildlife.com/how-to/how-to-listen-to-podcasts/>

Get lost in the magic of nature without ever leaving the living room. Check out our favourite nature-focused podcasts,

<https://www.forestryengland.uk/blog/top-nature-podcasts>

Science Podcast - Scientific principles, theory, and the role of key figures in the advancement of science.

<https://www.bbc.co.uk/programmes/p01gyd7j/episodes/downloads>

Podcasts, news and interviews with scientists about recent scientific developments

<http://royalsociety.org>

Based at Cambridge University's Institute of Continuing Education (ICE), the Naked Scientists are a team of scientists, doctors and communicators whose passion is to help the general public to understand and engage with the worlds of science, technology and medicine.

<https://www.thenakedscientists.com/>

Carefully curated educational videos, many of which represent collaborations between talented educators and animators.

<https://www.youtube.com/teded/playlists>

FutureLearn online science, engineering, and maths courses cover a wide and fascinating range of subjects. A lot of courses are free and they're provided by leading global institutions.

<https://www.futurelearn.com/subjects/nature-and-environment-courses>, <https://www.futurelearn.com/subjects/science-engineering-and-maths-courses/biology-and-biotechnology>, <https://www.futurelearn.com/subjects/nature-and-environment-courses/ecology>

The London Natural History Museum's website with lots of interesting educational material

<http://www.nhm.ac.uk>

SciberMonkey is currently supported and run by the Royal Society of Biology. It aims to support the teaching and learning of science.

<https://www.scibermonkey.org.uk//level-ks4.html>

Magazines

BBC Science Focus - concerned with the human mind and body, medical science and biology, and the effects of modern life on our health and wellbeing.

<https://www.magazine.co.uk/education-magazines/focus-magazine>

National Geographic – a truly breathtaking glimpse into the wild and wonderful nature of the world around us.

<https://www.magazine.co.uk/magazines/national-geographic-magazine>, <https://www.nationalgeographic.com/magazine>

BBC Wildlife Magazine - the UK's oldest and best wildlife magazine with the best photographers and most knowledgeable writers to celebrate truly awe-inspiring animals and habitats.

<https://www.buysubscriptions.com/print/bbc-wildlife-magazine-subscription>



Visiting- local places to enhance your understanding

Birmingham Botanical Gardens, Birmingham

<https://www.birminghambotanicalgardens.org.uk/>

Nature Centre Cannon Hill Park, Birmingham

<http://www.cannonhillpark.co.uk/nature-centre>



Thinktank Science Museum, Birmingham

<https://www.birminghammuseums.org.uk/thinktank>

Falconry Centre, Hagley

<https://thefalconrycentre.co.uk/>



Butterfly Farm, Stratford-upon-Avon.

<https://www.butterflyfarm.co.uk/attraction/>

West Midlands Safari Park, Bewdley

<https://www.wmsp.co.uk/>

Lapworth Museum of Geology

<https://www.birmingham.ac.uk/facilities/lapworth-museum/index.aspx>

The Wildlife Trust for Birmingham and the Black Country. Explore a local nature reserve – make sure you go with an adult!

<https://www.bbcwildlife.org.uk/nature-reserves>

National competitions

An annual competition introduced in 1985 in the UK to enhance student interest in microbiology. The annual competition for Key Stages 3 and 4 now attracts up to 2,000 student entries each year. Entries must be sent off by the school so please ask your biology teacher about this!

<http://www.misac.org.uk/competition.html>

The Nancy Rothwell Award celebrates specimen drawing in schools and highlights the benefits of combining art and science.

<https://www.rsb.org.uk/get-involved/rsb-awards/nancy-rothwell-award>

'Communication' is the theme of this year's Royal Society of Biology Photography Competition. The top prize? £500 for you to keep!

<https://www.rsb.org.uk/get-involved/rsb-competitions/photography-competition>

