

# Reading Lists

## Biology



# Reading Lists

# Biology



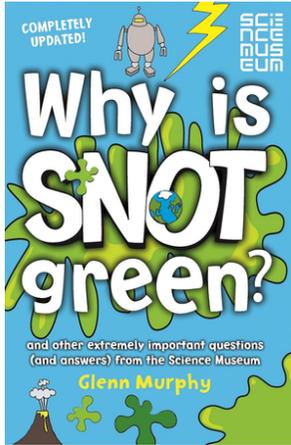
- Books available at Weald are found as subject reading lists on our online library catalogue.
- Speak to your librarian about books available on either Weald site or reserve through the online library catalogue.
- Kent Libraries digital books are available for free using the Libby app:
  - <https://www.kent.gov.uk/leisure-and-community/libraries/ebooks-eaudiobooks-emagazines-enewspapers>
- All Weald students can join Kent Libraries and reserve non-fiction to be delivered to any Kent Library for free:
  - <https://kent.spydus.co.uk/cgi-bin/spydus.exe/MSGTRN/WPAC/JOIN>



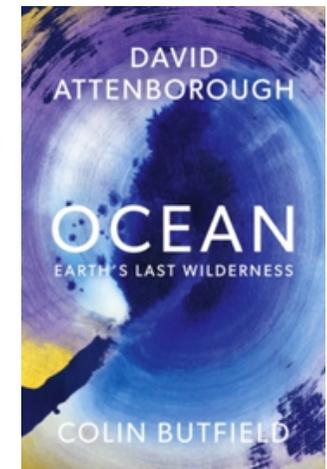
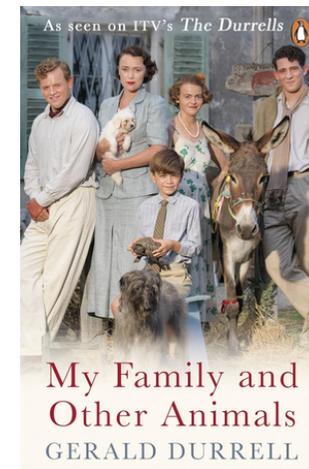
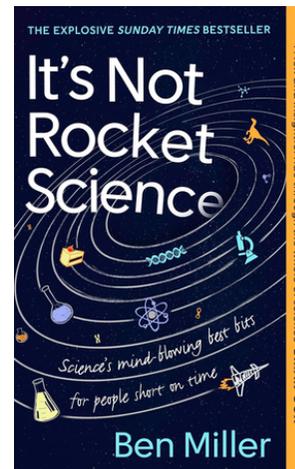
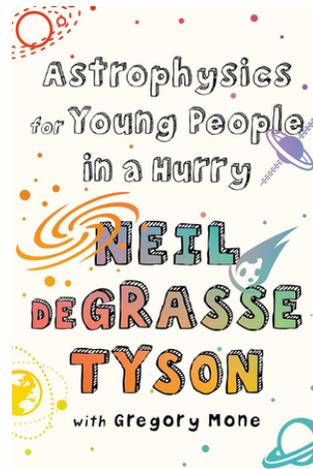
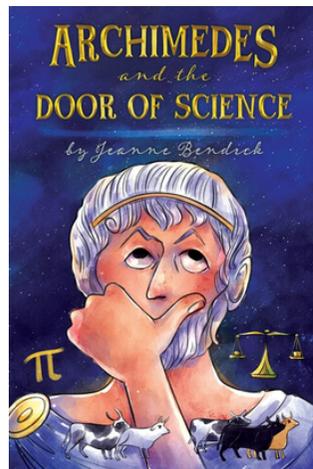
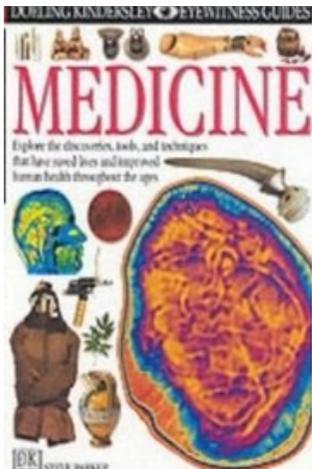
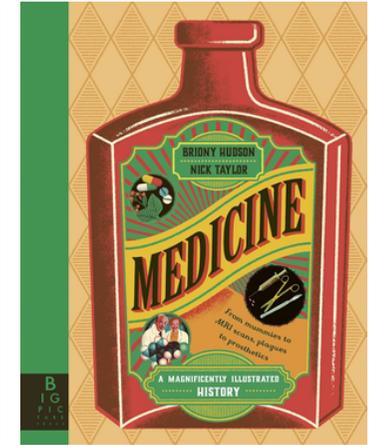
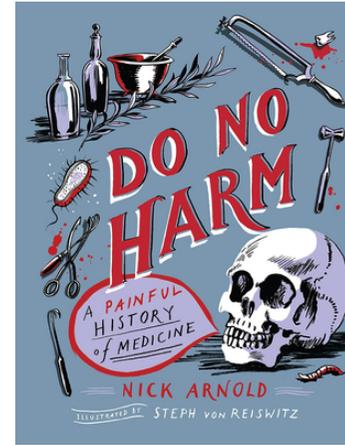
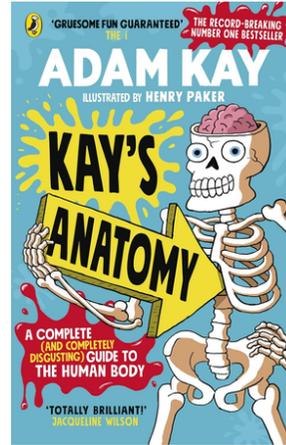
# Biology: Key Stage 3

## Year 7

# Recommended Reading



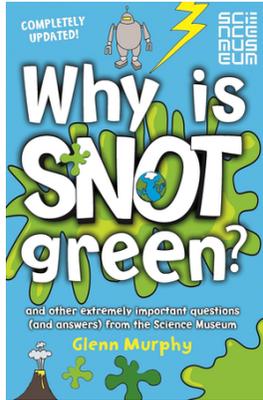
Any books in the Horrible Science series by Nick Arnold



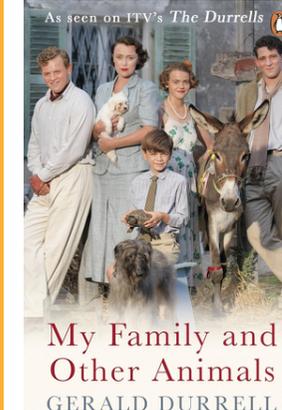
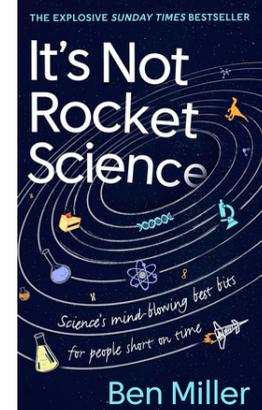
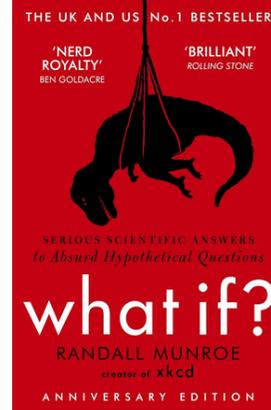
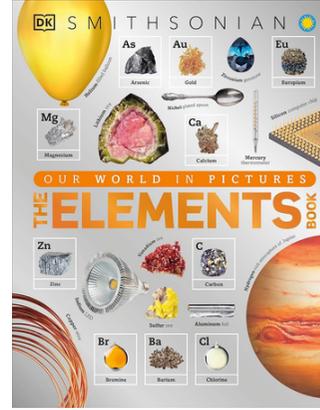
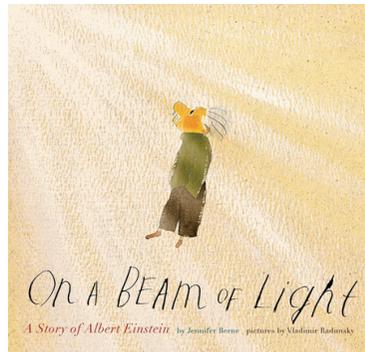
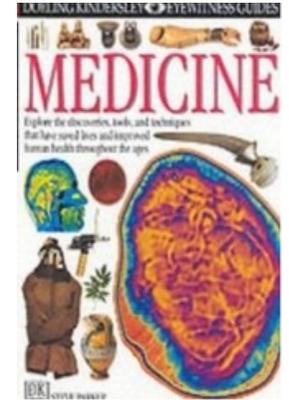
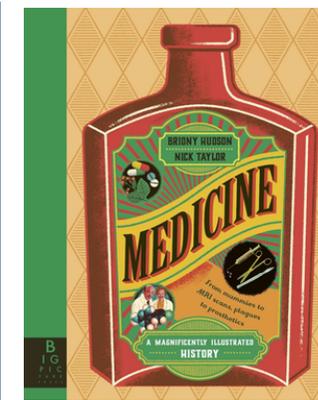
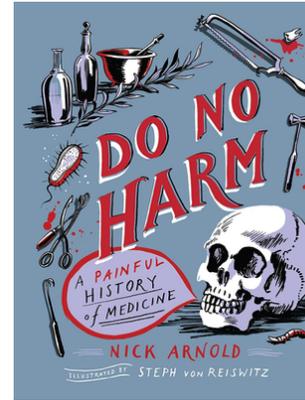
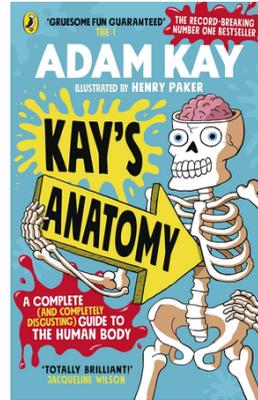
# Biology: Key Stage 3

## Year 8

# Recommended Reading



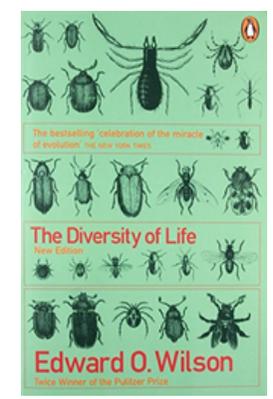
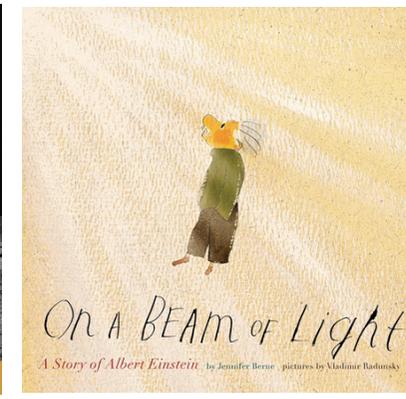
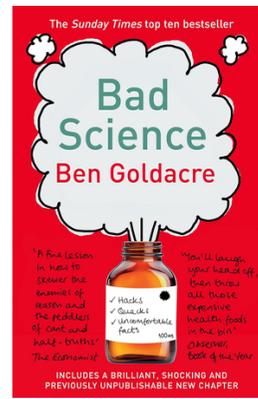
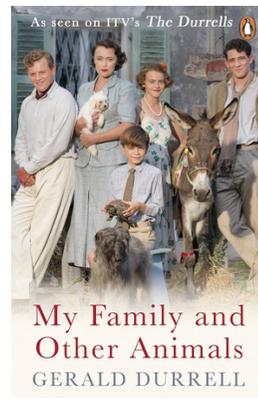
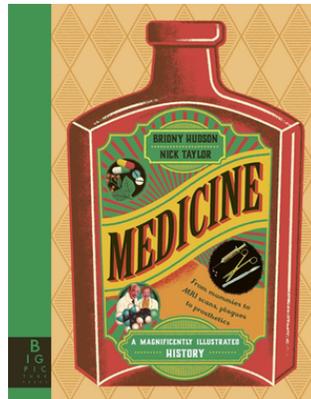
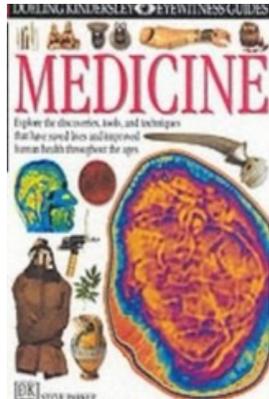
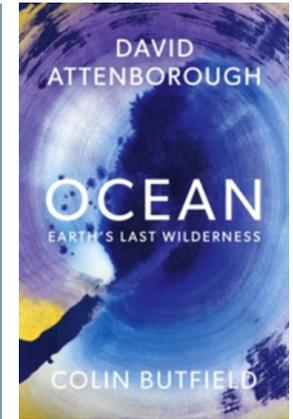
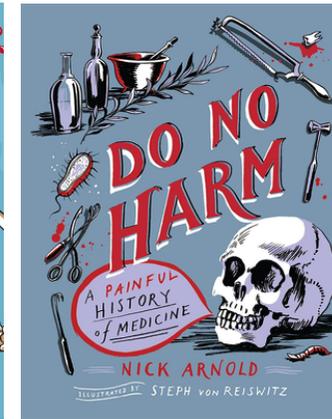
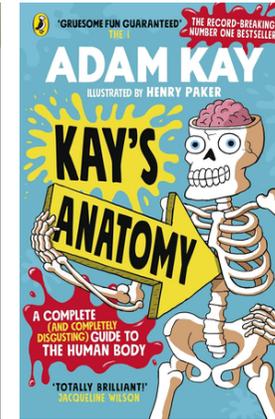
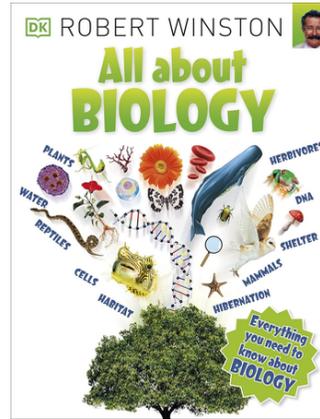
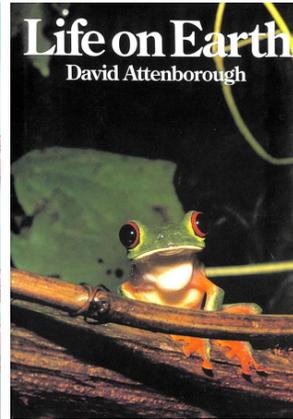
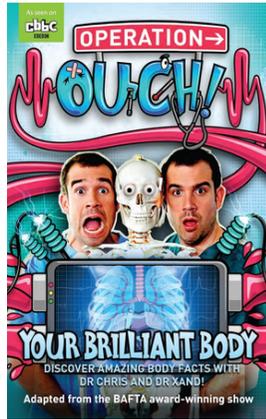
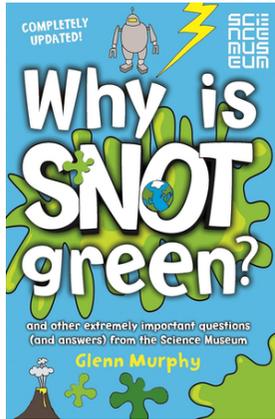
Any books in the Horrible Science series by Nick Arnold



# Biology: Key Stage 3

## Year 9

# Recommended Reading



# Biology: Key Stage 3

# Recommended Reading

Title	Author	Year	Stocked in Weald Tonbridge?	Shelf location	Stocked in Weald Sevenoaks?	Shelf location	Available as Kent Libraries digital book?	Available as Kent Libraries hardcopy book?
Why is Snot Green?	Murphy, G.	7, 8, 9	<u>Yes</u>	502 MUR	No		No	<u>Yes</u>
Horrible Science Collection	Arnold, N.	7, 8	<u>Various</u>		<u>Various</u>		No	<u>Various</u>
Kay's Anatomy	Kay, A.	7, 8, 9	No		<u>Yes</u>	612 KAY	<u>Yes</u>	<u>Yes</u>
It's not Rocket Science	Millar, B.	7, 8	<u>Yes</u>	500 MIL	No		<u>audio only</u>	<u>Yes</u>
Do No Harm	Arnold, N.	7, 8, 9	No		<u>Yes</u>	610.9 ARN	No	No
My Family and Other Animals	Durrell, G.	7, 8, 9	<u>Yes</u>	920 DUR	<u>Yes</u>	920 DUR	<u>Yes</u>	<u>Yes</u>
Ocean	Attenborough, D. & Butterfield, C.	7, 8, 9	<u>Yes</u>	551.46 ATT	<u>No</u>		No	<u>Yes</u>
Medical Milestones & Crazy Cures (Operation Ouch!)	van Tullekin, C. & van Tullekin, X.	7	No		<u>Yes</u>	610.9 VAN	No	No
Archimedes and the Door of Science	Bendick, J.	7	<u>Yes</u>	509.2 BEN	No		No	No
Astrophysics for Young People in a Hurry	deGrasse Tyson, N.	7	<u>Yes</u>	520 TYS	No		No	<u>Yes</u>
Medicine: A Magnificently Illustrated	Hudson, B, Taylor, N.	7, 8, 9	<u>Yes</u>	610.9 HUD	<u>Yes</u>	610.9 HUD	No	No
Eyewitness Science: Medicine	Parker, S.	7, 8, 9	No		<u>Yes</u>	610.9 PAR	No	No
The Space Race	Hamilton, J.	8, 9	<u>Yes</u>		No		No	No
On a Beam of Light - a Story of Albert Einstein	Berne, J.	8, 9	<u>Yes</u>	530.092 BER	<u>Yes</u>	530.092 BER	No	No
The Periodic Table Book: A Visual Encyclopedia of the Elements	Dorling Kindersley	8	<u>Yes</u>	546.8 JAC	<u>Yes</u>	546.8 JAC	No	No
What if?	Munroe, R.	8	No		<u>Yes</u>	502 MUN	No	No
Operation Ouch! Your Brilliant Body	van Tullekin, C. & van Tullekin, X.	9	<u>Yes</u>	612 VAN	No		No	<u>Yes</u>
Life on Earth	Attenborough, D.	9	No		<u>Yes</u>	576.8 ATT	No	<u>Yes</u>
All about Biology (Big Questions)	Winston, R.	9	No		<u>Yes</u>	570 WIN	No	No
The Diversity of Life	Wilson, E.O.	9	<u>Yes</u>	575 WIL	No		No	No



# Biology: Key Stage 3

## Year 7

### How do some fungi turn insects into zombies?

[https://www.sciencejournalforkids.org/wp-content/uploads/2023/11/zombie\\_article\\_lower\\_level.pdf](https://www.sciencejournalforkids.org/wp-content/uploads/2023/11/zombie_article_lower_level.pdf)

### Can armadillos show us how to regrow a liver?

[https://www.sciencejournalforkids.org/wp-content/uploads/2023/05/armadillo\\_article.pdf](https://www.sciencejournalforkids.org/wp-content/uploads/2023/05/armadillo_article.pdf)

### Can materials made of the same elements have different properties?

[https://www.sciencejournalforkids.org/wp-content/uploads/2022/08/sugar\\_article.pdf](https://www.sciencejournalforkids.org/wp-content/uploads/2022/08/sugar_article.pdf)

How can we store carbon dioxide from the atmosphere in minerals? [https://www.sciencejournalforkids.org/wp-content/uploads/2022/05/mineralization\\_article.pdf](https://www.sciencejournalforkids.org/wp-content/uploads/2022/05/mineralization_article.pdf)

**BBC Documentary – The Planets** – Professor Brian Cox explores the dramatic lives of the eight majestic planets/worlds that make up our solar system  
<https://www.bbc.co.uk/iplayer/episodes/p079221r/the-planets>

**BBC Operation Ouch** (all the series)  
<https://www.bbc.co.uk/iplayer/episodes/b03cdr8s/operation-ouch>

## Year 8

### What can ancient DNA tell us about Stone Age people?

[https://www.sciencejournalforkids.org/wp-content/uploads/2021/11/neanderthal\\_article.pdf](https://www.sciencejournalforkids.org/wp-content/uploads/2021/11/neanderthal_article.pdf)

### How can we protect bananas?

[https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/Fungus\\_Genome\\_article.pdf](https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/Fungus_Genome_article.pdf)

### What can we learn from carbon on Mars?

[https://www.sciencejournalforkids.org/wp-content/uploads/2023/06/Mars\\_carbon\\_article\\_lower\\_level.pdf](https://www.sciencejournalforkids.org/wp-content/uploads/2023/06/Mars_carbon_article_lower_level.pdf)

### How can we turn ocean water into renewable energy?

[https://www.sciencejournalforkids.org/wp-content/uploads/2021/06/osmosis\\_article.pdf](https://www.sciencejournalforkids.org/wp-content/uploads/2021/06/osmosis_article.pdf)

### Sound Waves: The symphony of physics:

<https://www.dailymotion.com/video/x60naop> (part 1)  
<https://www.dailymotion.com/video/x60nc8p> (part 2)

### BBC Documentary – Plant Earth III with David

Attenborough  
<https://www.bbc.co.uk/iplayer/episodes/p0gwxhv/planet-earth-iii>

### BBC Operation Ouch (all the series)

<https://www.bbc.co.uk/iplayer/episodes/b03cdr8s/operation-ouch>

# Exploring List

## Year 9

### How can tardigrades survive without water?

[https://www.sciencejournalforkids.org/wp-content/uploads/2023/08/tardigrades\\_article.pdf](https://www.sciencejournalforkids.org/wp-content/uploads/2023/08/tardigrades_article.pdf)

### Can graphene in your clothing prevent mosquito bites?

[https://www.sciencejournalforkids.org/wp-content/uploads/2020/01/graphene\\_article.pdf](https://www.sciencejournalforkids.org/wp-content/uploads/2020/01/graphene_article.pdf)

**BBC documentary – Earth** – Chris Packham reveals the epic, 4.5 billion-year story of our home – from its dramatic creation to the arrival of human life...and whatever's next

**BBC Operation Ouch** (all the series)  
<https://www.bbc.co.uk/iplayer/episodes/b03cdr8s/operation-ouch>

## Recommended Magazines for KS3

**BBC Science Focus Magazine** (available digitally from Kent Libraries)

**National Geographic Magazine** (available digitally from Kent Libraries)

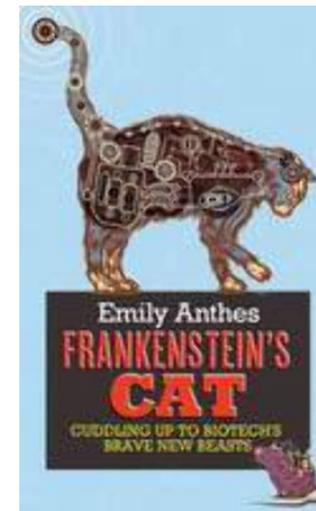
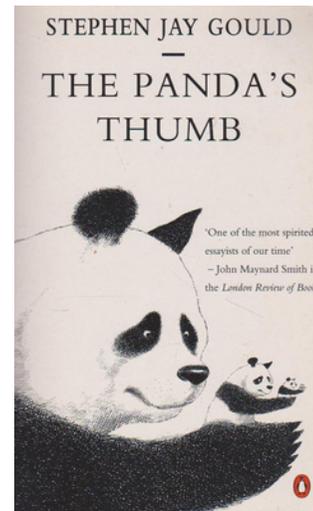
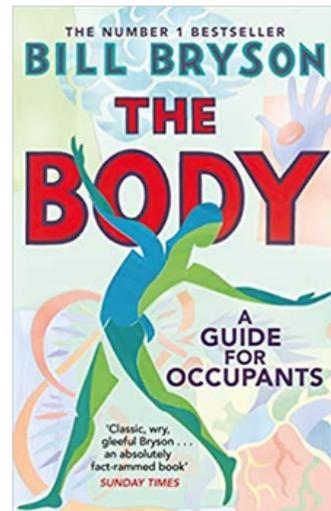
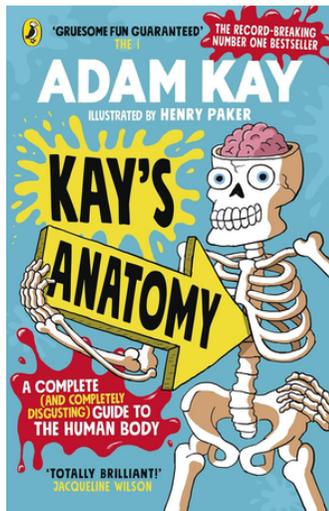
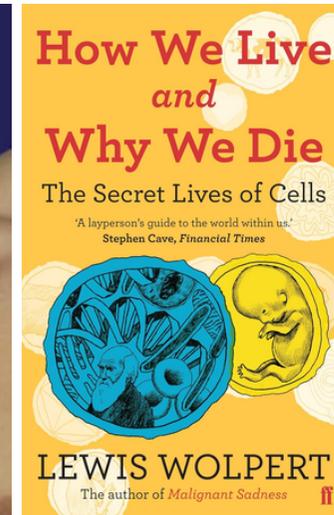
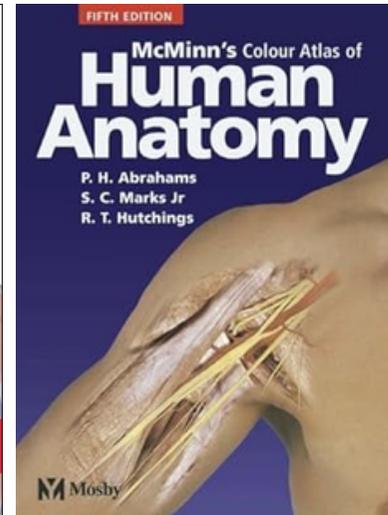
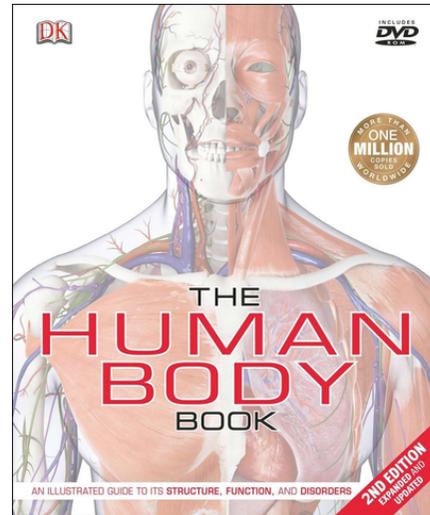
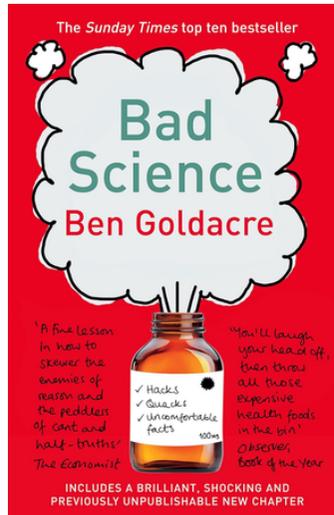
**The Week Junior – Science+Nature**



# Biology: GCSE

# Recommended Reading

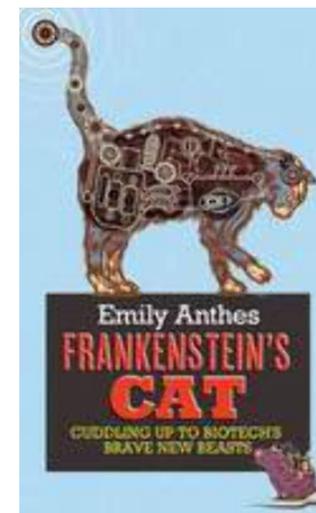
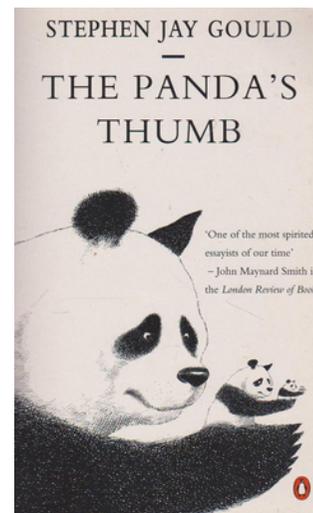
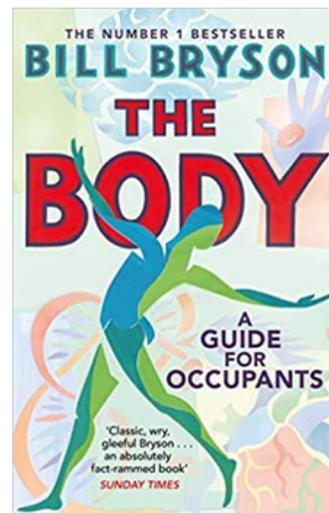
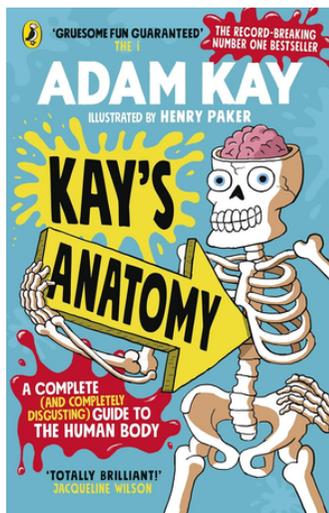
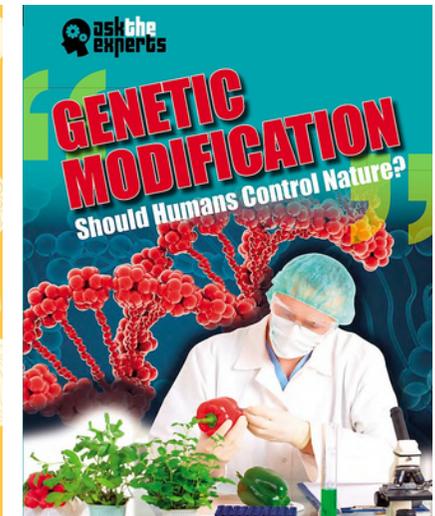
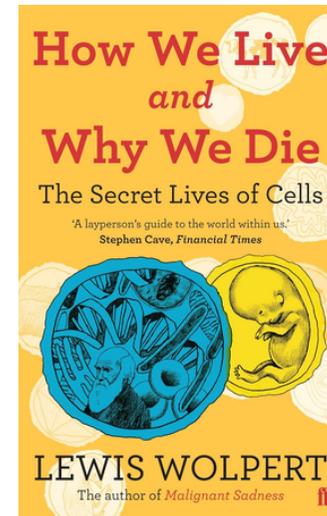
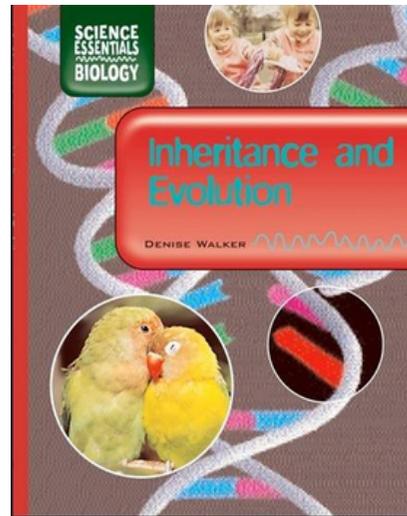
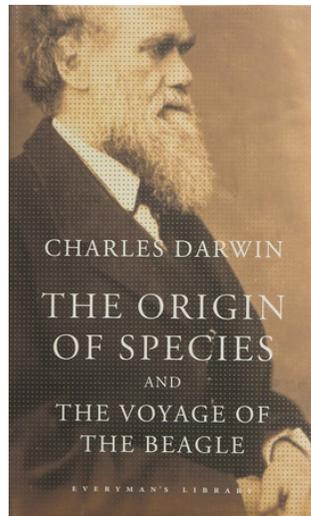
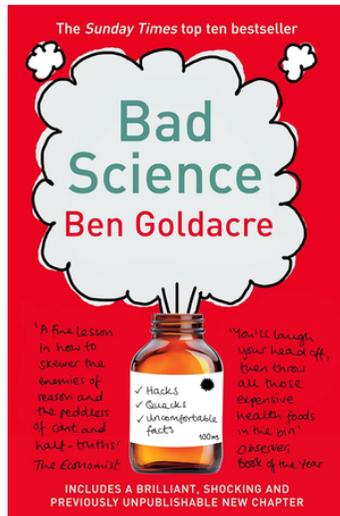
## Year 10



# Biology: GCSE

# Recommended Reading

## Year 11



# Biology: GCSE

# Recommended Reading

Title	Author	Year	Stocked in Weald Tonbridge?	Shelf location	Stocked in Weald Sevenoaks?	Shelf location	Available as Kent Libraries digital book?	Available as Kent Libraries hardcopy book?
Frankenstein's Cat	Anthes, E.	10 and 11	<u>Yes</u>	575.2 ANT			No	No
Bad Science	Goldacre, B.	10 and 11	<u>Yes</u>	500 GOL	<u>Yes</u>	500 GOL	<u>Yes</u>	<u>Yes</u>
How We Live and Why We Die	Wolpert, L.	10 and 11	<u>Yes</u>	571.6 WOL	No		No	<u>Yes</u>
The Body: A Guide for Occupants	Bryson, B.	10 and 11	No		<u>Yes</u>	612 BRY	<u>Yes</u>	<u>Yes</u>
Kay's Anatomy	Kay, A.	10 and 11	No		<u>Yes</u>	612 KAY	<u>Yes</u>	<u>Yes</u>
The Panda's Thumb: More Reflections in Natural History	Gould, S.J.	10 and 11	<u>Yes</u>	574 GOU	No		No	No
The Human Body Book	Parker, S.	10	<u>Yes</u>	612 PAR	<u>Yes</u>	612 PAR	No	No
A Colour Atlas of Human Anatomy	McMinn, R.M.H.	10	<u>Yes</u>	611 HEY	No		No	No
On the Origin of Species	Darwin, C.	11	<u>Yes</u>	575.01 DAR	No		<u>Yes</u>	<u>Yes</u>
Genetic Modification	Gray, L.	11	<u>Yes</u>	575.2 GRA	No		No	No
Inheritance and Evolution	Walker, D.	11	<u>Yes</u>	576 WAL	No		No	<u>Yes</u>



# Biology: GCSE

## Year 10

### How does a plant make antimalarial medicine?

[https://www.sciencejournalforkids.org/wp-content/uploads/2020/09/artemisinin\\_article.pdf](https://www.sciencejournalforkids.org/wp-content/uploads/2020/09/artemisinin_article.pdf)

### What if people use antibiotics too much?

[https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/antibiotics\\_article.pdf](https://www.sciencejournalforkids.org/wp-content/uploads/2019/09/antibiotics_article.pdf)

### BBC Documentary - Wonders of Life

Professor Brian Cox explores the globe to reveal how a few fundamental laws of science gave birth to the most complex and unique feature of the universe – life  
<https://www.bbc.co.uk/iplayer/episodes/b01rgjt0/wonders-of-life>

## Year 11

### How can gene editing cure disease?

<https://www.sciencejournalforkids.org/wp-content/uploads/2020/03/Nanoparticles-article.pdf>

### Evolution in action: Are voles shrinking?

[https://www.sciencejournalforkids.org/wp-content/uploads/2017/06/voles\\_article.pdf](https://www.sciencejournalforkids.org/wp-content/uploads/2017/06/voles_article.pdf)

### BBC documentary – The Incredible Human Journey

Dr Alice Roberts travels the globe to discover the incredible story of how humans left Africa to colonise the world.  
<https://www.bbc.co.uk/iplayer/episodes/b00klf6j/the-incredible-human-journey>

# Exploring List

## Recommended Magazines for GCSE

### BBC Science Focus Magazine

(available digitally from Kent Libraries)

### New Scientist

(available digitally from Kent Libraries)

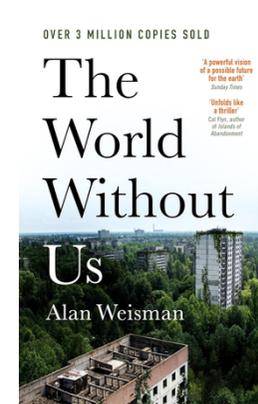
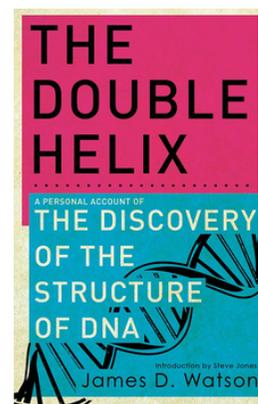
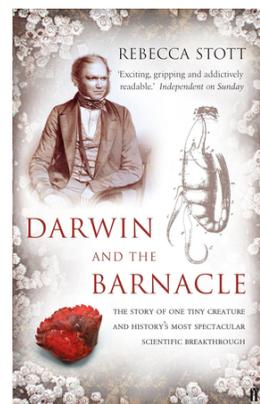
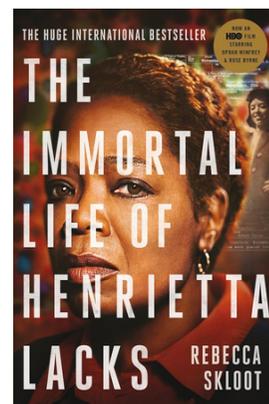
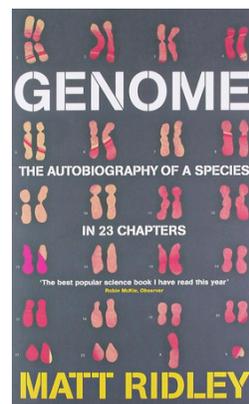
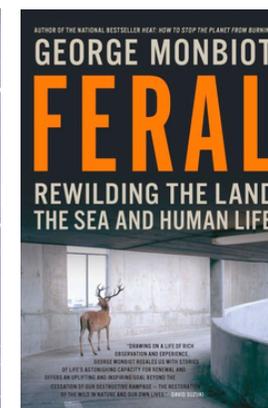
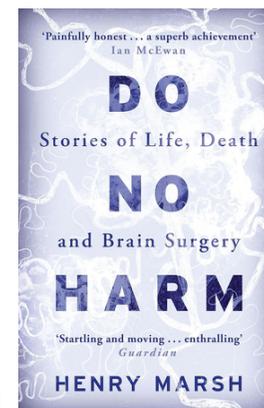
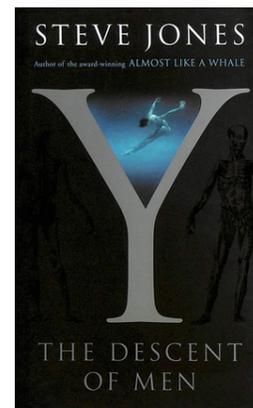
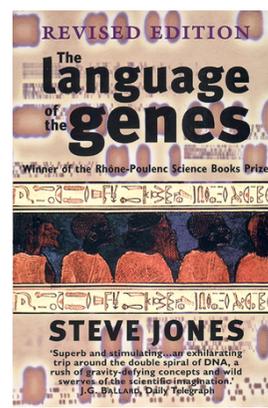
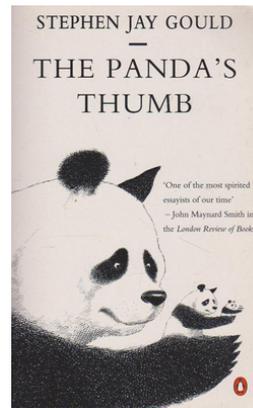
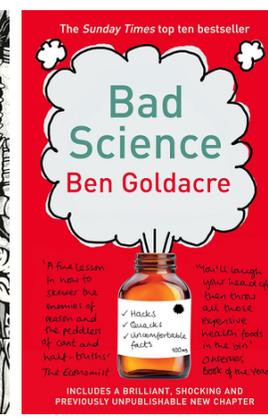
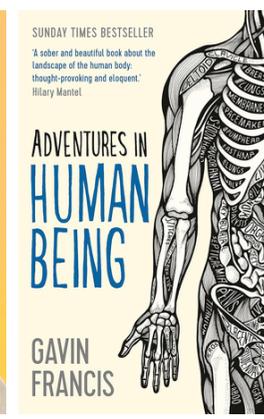
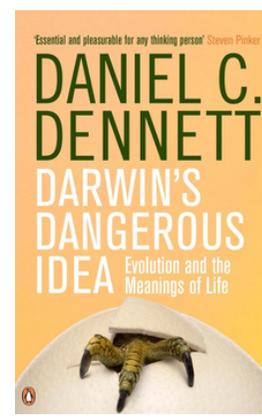
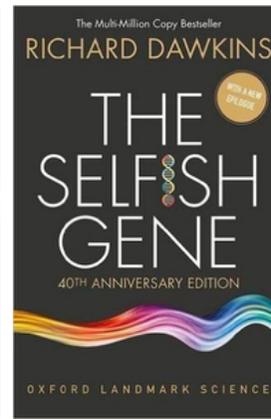
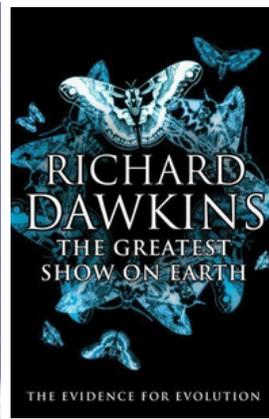
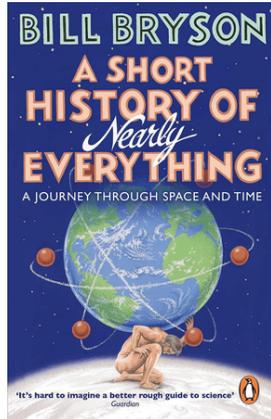
### Catalyst Magazine

(digital only magazine available from [www.nationalstemcentre.org.uk/catalyst](http://www.nationalstemcentre.org.uk/catalyst))



# Biology: A Level

# Recommended Reading



# Biology: A Level

# Recommended Reading

Title	Author	Stocked in Weald Tonbridge?	Shelf location	Stocked in Weald Sevenoaks?	Shelf location	Available as Kent Libraries digital book?	Available as Kent Libraries hardcopy book?
A Short History of Nearly Everything	Bryson, B.	<u>Yes</u>	500 BRY	<u>Yes</u>	500 BRY	<u>Yes</u>	<u>Yes</u>
The Selfish Gene	Dawkins, R.	<u>Yes</u>	576.8 DAW	<u>Yes</u>	576.8 DAW	<u>Yes</u>	<u>Yes</u>
The Greatest Show on Earth	Dawkins, R.	<u>Yes</u>	575 DAW	No		<u>Yes</u>	No
Darwin's Dangerous Idea	Dennett, D.	<u>Yes</u>	575 DEN	No		<u>Yes</u>	<u>Yes</u>
Adventures in Human Being	Francis, G.	<u>Yes</u>	610 FRA	No		No	<u>Yes</u>
Bad Science	Goldacre, B.	<u>Yes</u>	500 GOL	<u>Yes</u>	500 GOL	<u>Yes</u>	<u>Yes</u>
The Panda's Thumb	Gould, S.J.	<u>Yes</u>	574 GOU	No		No	No
The Language of the Genes	Jones, S.	<u>Yes</u>	575.12 JON	No		No	No
Y: The Descent of Man	Jones, S.	<u>Yes</u>	573.2 JON	No		No	No
Mutants	LeRoi, A.M	<u>Yes</u>	611 LER	No		No	No
Do No Harm	Marsh, H.	<u>Yes</u>	617.9 MAR	No		<u>audio only</u>	<u>Yes</u>
Feral: Rewilding the Land, Sea and Human Life	Monbiot, G.	<u>Yes</u>	574.5 MON	No		<u>Yes</u>	No
Genome	Ridley, M.	<u>Yes</u>	573.2 RID	No		<u>Yes</u>	No
The Immortal Life of Henrietta Lacks	Skloot, R.	<u>Yes</u>	616.0277 SKL	No		<u>Yes</u>	<u>Yes</u>
Darwin and the Barnacle	Stott, R.	<u>Yes</u>	576.8 STO	No		No	No
The Double Helix	Watson, J.	<u>Yes</u>	572.86 WAT	No		No	<u>Yes</u>
The World Without Us	Weisman, A.	<u>Yes</u>	304 WEI	No		<u>Yes</u>	<u>Yes</u>



# Biology: A Level

## Websites

<http://www.ibiblio.org/virtualcell/index.htm> – Cell Biology

<http://www.dnai.org/a/index.html> – Explore the genetic code

<http://nobelprize.org> – Details of the history of the best scientific discoveries

<http://nature.com> – The site of the scientific journal

<http://royalsociety.org> – Podcasts, news and interviews with scientists about recent scientific developments

<http://www.nhm.ac.uk> – The Natural History Museum's website with lots of interesting material

<http://www.bmj.com> – The website of the British Medical Journal

[http://www.bbc.co.uk/news/science\\_and\\_environment](http://www.bbc.co.uk/news/science_and_environment) - The BBC news page for Science

[www.ted.com/talks](http://www.ted.com/talks) - A searchable catalogue on a variety of topics including a huge selection on biological sciences

[www.youtube.com](http://www.youtube.com) – There are several channels that may be useful for revision and support (e.g. Crashcourse biology, Bozeman Science, Handwritten tutorials, Khanacademymedicine)

[www.physicsandmathstutor.com](http://www.physicsandmathstutor.com) – Loads of resources for revision.

[www.snaprevise.com](http://www.snaprevise.com) – this requires a subscription to access the full content but may be useful for revision.

# Exploring List

## Magazines, Newspapers & Journals

Subscribe to **Biological Sciences Review**  
(<https://www.liverpool.ac.uk/life-sciences/outreach/biological-sciences-review/>)

**New Scientist** (available digitally for free from Kent Libraries)

**BBC Science Focus Magazine** (available digitally for free from Kent Libraries)

**The Biologist Magazine** (Royal Society of Biology)  
<https://thebiologist.rsb.org.uk/biologist>

**Nature** weekly journal of science with some content available online

Any scientific articles in newspapers (e.g. Guardian for Ben Goldacre and George Monbiot)

